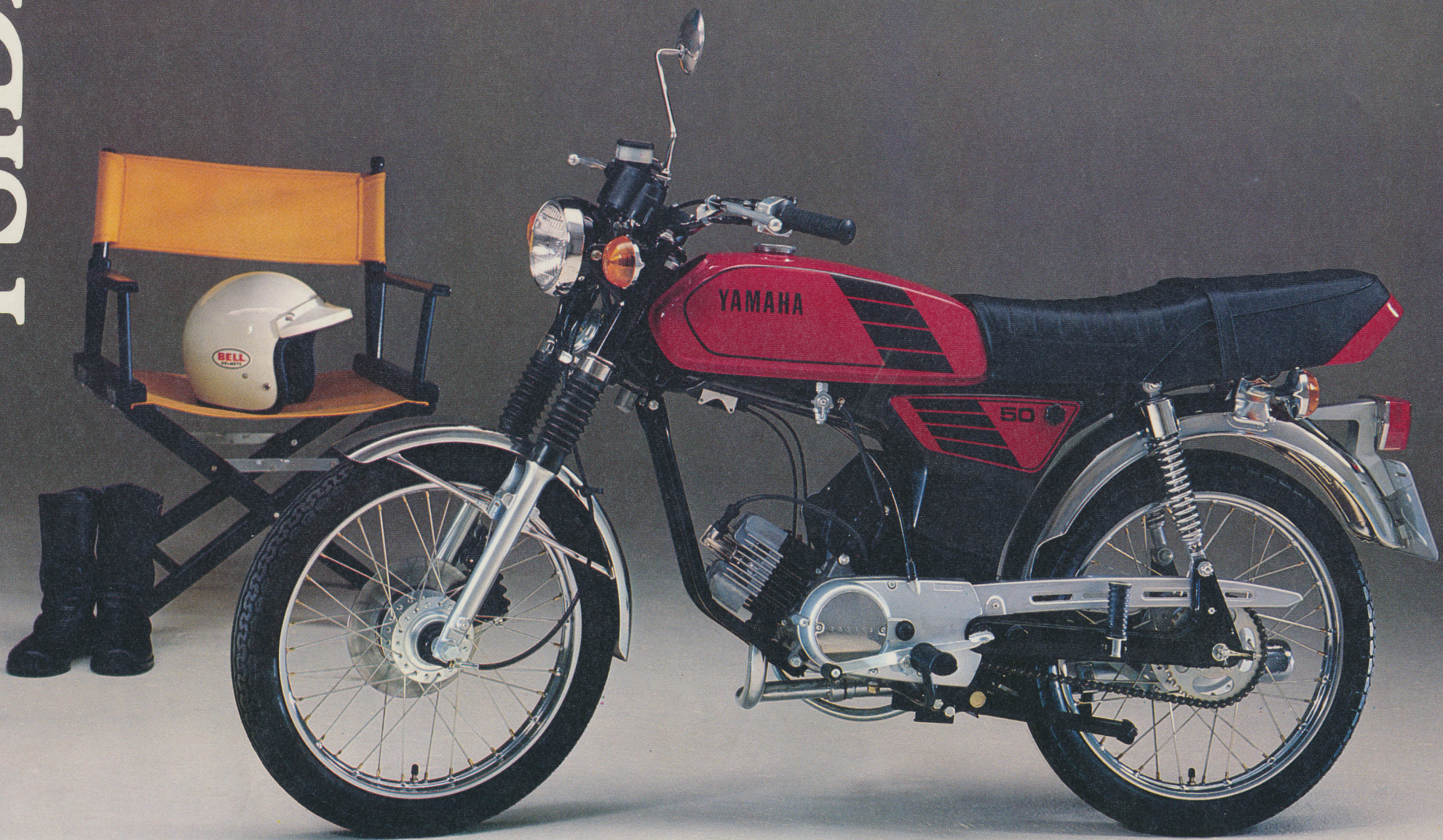


# YAMAHA FS1DX





# Yamaha FS1DX — The Perfect Introduction to Sporting Motorcycling.

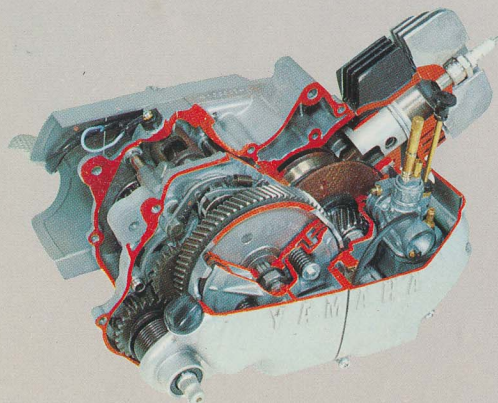
The Yamaha FS1DX is the perfect introduction to sporting motorcycling. Though it is one of the smallest machines in the Yamaha range, it has all of the attributes which have made its bigger brothers a by-word amongst discerning riders.

Zippy performance from the 49 cm<sup>3</sup> engine combine with a rigid pressed-steel frame and hydraulic suspension front and rear to result in a motorcycle with real sporting characteristics. The sporty image is further enhanced by the now-famous Yamaha "Speed Block" Block" design first made famous by the American Yamaha racing team led by Kenny Roberts, this year's World Champion.

Yamaha engineers, however, have concentrated heavily on the safety aspect of the FS1DX with braking power and handling on a par with any lightweight produced today.

At the front, for example, is a 203 mm hydraulic disc brake with caliper-mounted, racing-style, behind the fork leg.

Sporting character with outstanding safety is Yamaha's design philosophy.



## Autolube

Lubrication for the 49 cm<sup>3</sup> (40 mm bore × 39.7 mm stroke) is provided by the deservedly-famous Yamaha "Autolube" system, which pioneered automatic oiling for the modern generation of two-strokes. Oil is contained in a separate tank on the right-hand side of the machine with an easy-access filler plus a sight-glass for instant visual checking of the oil level. A new oil pump is fitted to this year's models, reducing oil consumption while still providing totally-adequate lubrication. Operation of the pump is by cable linked to the twistgrip so that the more the throttle is opened, the more oil is delivered to the engine. The exact amount of necessary lubrication is provided at any engine speed.

## Seat

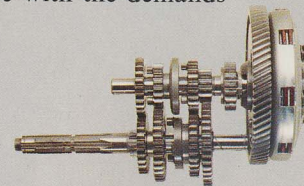
The seat unit of this year's model has been re-styled to add even more to that sporting effect. Sporty or not, however, the seat is wide, deeply-padded for comfort and plenty big enough to accommodate rider and a pillion passenger. Footrests for the passenger are a standard fitting.

## Tank

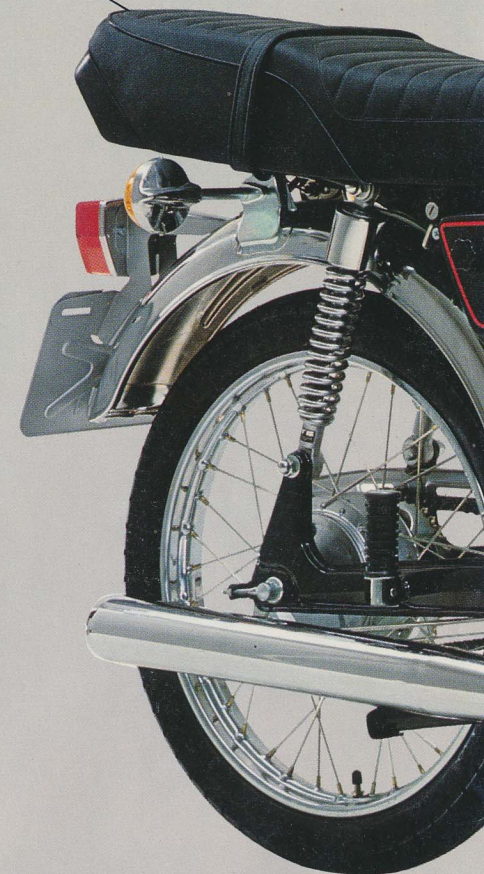
Also a re-styled item on this year's machine is the petrol tank, now with even racier lines. Capacity is 9 litres.

## Transmission

Transmission of the engine power to the rear wheel is via geared primary drive to the four-speed gearbox. A multi-plate wet clutch can cope with the demands



sometimes made in this area by small-engine machines. Final drive is by chain.



## Engine

The 49 cm<sup>3</sup> engine has larger fins for better cooling. The 16 mm Mikuni carburettor provides a high charging rate for





a racy-looking new cylinder head and barrel for 1979 with cooling. There's also a new, extra-efficient air cleaner for carburettor. For even more powerful and reliable electrics, the six-volt battery has been increased.



### **Suspension**

The suspension of the FS1DX is what makes it one of the safest machines in today's ultra-lightweight market. It's real "Big Bike" suspension scaled down to fit this small sportster.

At the front end there are hydraulic, telescopic forks with external springs protected by rubber gaiters.

A rigid pressed-steel chassis unit features swinging-arm suspension controlled by man-sized hydraulic dampers. These have exposed external springs, chromed for that final bit of "flash"

### **Brakes**

The Yamaha FS1DX has the best brakes of any bike in its class—a full-sized 203 mm hydraulic disc at the front and a waterproof 110 mm drum at the rear. Front brake caliper unit is mounted, racing-style, behind the front fork leg.



# FS1DX

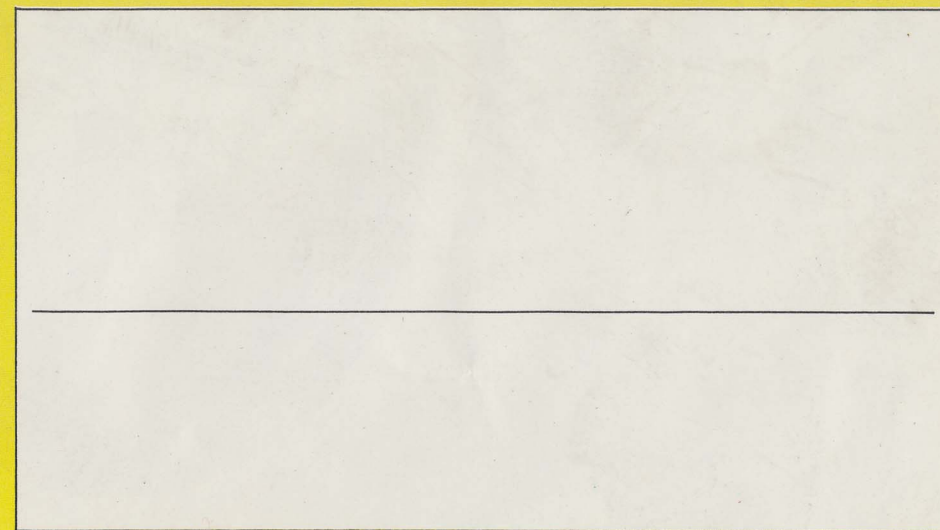
## SPECIFICATIONS ENGINE

Type	2-stroke, Rotary valve, Single
Displacement	49 cm <sup>3</sup>
Bore & Stroke	40.0×39.7 mm
Compression ratio	6.6 : 1
Lubrication system	Autolube
Starting system	Kick starter
Primary transmission	Gear
Final transmission	Chain
Gearbox	4-speed
Carburettor	VM16SC
Clutch	Multi-plate, wet
Battery	6 V, 4 AH
Charging system	Flywheel magneto
Ignition type	Magneto, CB/Coil

## DIMENSIONS

Overall length	1,790 mm
Overall width	740 mm
Overall height	970 mm
Wheelbase	1,160 mm
Seat height	770 mm
Weight (net)	73 kg
Fuel tank capacity	9.0 lit.
Oil tank capacity	1.2 lit.
Tires front	2.50-17-4PR
rear	2.50-17-4PR
Brakes front	Hyd. disc, diam. 203 mm
rear	Drum

\* Specifications subject to change without notice.



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