

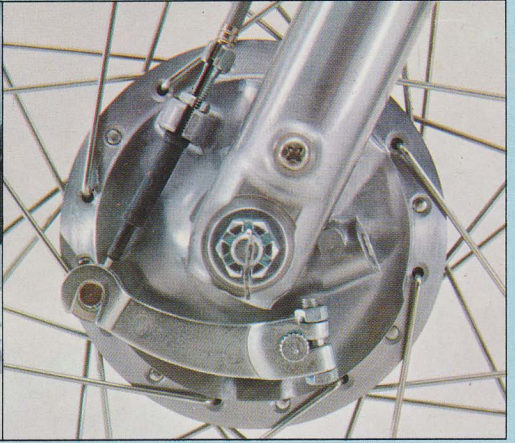
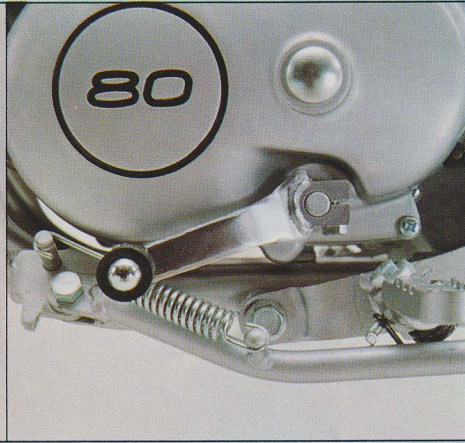
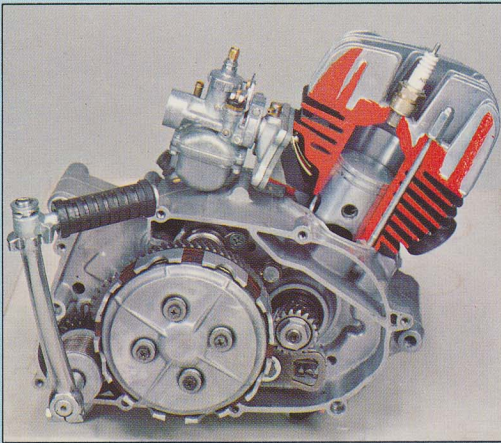


YAMAHA TY80

Spirited Mini-Trials bike for pure fun through the sections

Scaled-down trials riding for a wider variety of folks, the TY80 Trials bike by YAMAHA offers the same lightweight, smooth slow-speed operation as the larger YAMAHA Trials machines. Powered by a 2-stroke, Torque-Induction engine, the TY80 is able to develop a surprising amount of power to negotiate a widely varying trials section. Also from a stability point of

view, the bike has optimum balance characteristics enabling the rider to stay on the pegs even over some pretty sticky situations. With its easy handling and overall lightweight characteristics, the TY80 is ideal for young people who would like to experience the fun of trials riding.



Engine

In order to power this mighty Mini-Trials bike over the most difficult section, the 2-stroke, single-cylinder, reed-valve engine is highly responsive, and with its aluminium-cylinder-with-cast-iron-sleeve design, heat-dissipating characteristics and power-to-weight ratio are exceptionally high. Also, this engine is able to smoothly and dependably operate at a wide range of speeds; from ultra-slow walking speeds to rapid travel in between sections.

Autolube

As a further convenience feature and to increase the operating efficiency of the engine, Autolube, YAMAHA's exclusive oil lubrication system, is included on the bike. This system continuously monitors the speed of the engine and throttle opening, and automatically supplies a precise amount of oil, from a separate tank, to be mixed with the fuel. The result is a longer-lasting, cleaner-operating engine.

Transmission

Coupling the power of the engine to the rear wheel is a sturdy, positive-

action, 5-speed transmission. All gear ratios have been precisely selected to yield a comfortable overlap in between ranges, and to obtain the most efficient power transfer from the engine. Utilizing the lower two or three ranges for sections and fourth or fifth for the roads in between the sections results in highly efficient trials riding.

Brakes

The drum brakes on the front and the rear of the bike feature YAMAHA's labyrinth-seal, special-double-ridge design which prevents water or dust from entering the drum and affecting the operation. Also, the surface area of the shoes is such that maximum control is attained without the brakes grabbing. Smooth control with safe stops under all riding conditions.

Front Forks

For trials riding, a longer-stroke design is necessary in order to absorb larger shocks. The TY80 long-travel, 110 mm front forks are able to maintain optimum stability, yielding exceptional manoeuvrability characteristics.

SPECIFICATIONS

ENGINE

Type	2-stroke, Torque Induction, Single
Displacement	72 cc
Bore & Stroke	47×42 mm
Compression ratio	7.0:1
Lubrication system	Autolube
Starting system	Kick starter
Primary transmission	Gear
Final transmission	Chain
Gearbox	5-speed
Carburettor	Y16P
Clutch	Multi-plate, wet
Ignition type	Magneto, CB/Coil

DIMENSIONS

Overall length	1,560 mm
Overall width	690 mm
Overall height	890 mm
Seat height	600 mm
Wheelbase	1,025 mm
Weight (net)	54 kg
Fuel tank capacity	2.5 lit.
Oil tank capacity	0.2 lit.
Tires front	2.50-16-4PR
rear	3.00-14-4PR
Brakes front	Drum
rear	Drum

* Specifications subject to change without notice.

YAMAHA, It's a way of life



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LIT-3MC-0107155-78E/52.10×22 Printed in Japan (イギリス)