

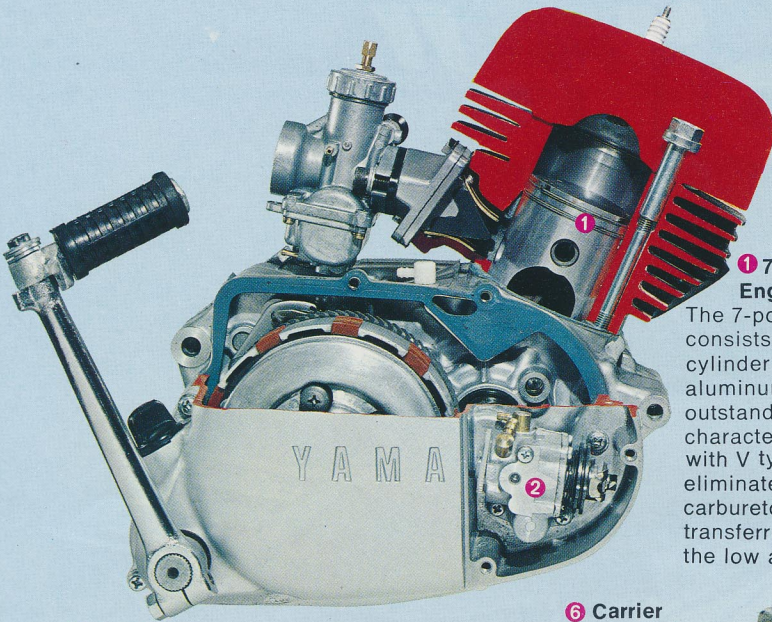


# YAMAHA AG100

## "ag bike"



# Works harder, goes farther... YAMAHA



**1 7-port Torque Induction Engine** (patented)

The 7-port-design power unit consists of a durable cast-iron cylinder and a lightweight, aluminum cylinder head with outstanding heat-dissipating characteristics. Torque Induction with V type reed valve, which eliminates "blow-back" to the carburetor, to increase the power transferred to the rear wheel over the low and middle speed ranges.

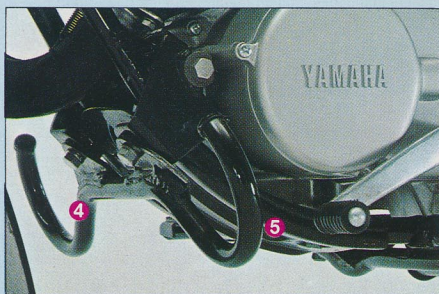
**2 Autolube** (patented)

YAMAHA's autolube, the separate lubrication supply system, continually supplies the appropriate quantity of oil with respect to the speed of the engine and the throttle opening. This system saves oil and lengthens the life of the engine.



**3 Petrol tank** (patent pending)

The large petrol tank has been made wider with a flat top so that it can also be used as a carrying surface. The non-skid design further facilitates the carrying of loads, and the distance between fuel stops is farther.



**4 Foot-peg guards** (patent pending)

For added protection under severe operating conditions, guards were installed low on the machine to protect the brake pedal, shift lever and the rider's feet from injury due to rocks and other obstacles.

**5 Engine guard plate**

The engine guard plate protects the engine from rocks, strumps and other obstacles along the path. The guard plate also prevents mud build-up which could cause the engine to overheat.

**6 Carrier**

The extra-large carrier is strong enough to carry tools and equipment; even a large sheep dog. Holes are located in the carrier for additions, if required.

**7 Tool box** (patent pending)

Conveniently located under the rear luggage carrier is a tool box for carrying essential tools necessary for making minor adjustments and repairs in the field.



**8 Mud flaps (front and rear)** (patent pending)

Large, flexible mud flaps have been attached to the rear of each fender to deflect mud, water and other material picked up and slung by the tyres. Protects not only the rider, but also those following behind.

**9 Rear brake rod**

The rear brake rod is located high on the top side of the brake drum keeping it safely away from obstacles along the path which might affect its operation.

**10 Lever covers**

The ends of the control cables for the brake and clutch are equipped with rubber covers to prevent dust, water and other foreign material from entering and affecting the operation.

**11 Muffler**

The muffler is designed to reduce the engine noise to a minimum while maintaining the most efficient exhausting operation. This low-noise design is especially suited for working around sheep and other livestock which tend to become frightened at loud noises.

**12 Seat**

The tough covering on the large seat is able to withstand rain and even the claws of animals. Design low for a big man to also use his feet while riding, if necessary.

**13 Shock absorbers**

The rear shock absorbers are adjustable in 5 steps so that the rear-cushion effect can be adjusted to match the load and the riding terrain. This not improves comfort, but also improves control.

**14 Knobby tyres with bead stopper** (front and rear)

The knobby-tyre design was selected for positive traction and maximum pull over all types of terrain. Also, the tyres are equipped with bead stoppers which prevent the tyre from slipping on the rim should the air pressure become low.

W. H. WILCOX  
Kent St., Maryborough,  
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# YAMAHA'S NEW "ag bike" AG100



## 15 Air cleaner

By employing a new large-capacity element in the air cleaner, precise air intake according to the throttle opening with all dust removed is possible, permitting smooth acceleration and power flow from low-speeds to high-speeds.

## 18 Guards for control lever protection (patent pending)

To further increase the strength of the control levers to withstand falls and extraordinary rough use, these control levers are protected by tubular steel guards which are enough for big, gloved hands.

## 20 Front guard with spring clamp carrier (patent pending)

The wide-field-of-vision headlight is protected, along with the speedometer, by a steel guard. And included on the top of the guard is a spring-clamp carrier for carrying smaller items, such as books or documents.

## 21 Front fender

The front fender of the AG bike is constructed using polypropylene to give it maximum flexibility and durability.

## 22 Enduro front forks

The spring-and oil-damper front forks are designed to smooth out the shocks received from the roughest terrain while maintaining optimum control of the machine.

## 23 Exhaust pipe protector

The forward portion of the exhaust pipe is equipped with a special plate to protect the leg from becoming burned if it should contact the exhaust pipe.

## 24 Double-cradle frame

The double-cradle frame is able to withstand the roughest road shocks plus excessive twisting forces which are incurred when the machine is dropped or ridden hard.

## 16 Primary kick starter

The primary kick starter quickly and easily starts the machine in any gear, and the foot pedal conveniently folds away when not in use.

## 17 Water-and dustproof brakes (front and rear)

The drum-type brakes are large and fade-free, and for further assurance, they are waterproof and dustproof. The AG bike can be ridden through rain, sleet, snow or a dust storm with absolute confidence.

## 19 5-speed transmission

The transmission of the AG Bike has been selected to offer the easiest possible operation from walking speeds to openroad speeds. Also, neutral is positioned at the lowest point so that it may be found quickly and positively.

## 25 Full-chain case with dust cover and guard (patent pending)

To eliminate problems caused by mud and other material clogging the chain, and to prevent dust and dirt from entering the engine-drive portion, a full-chain case with front dust cover has been added. And to protect the chain case, a chain-case guard has been included.

## 26 Magneto and flywheel mass

The magneto and flywheel mass have been increased and precisely designed to allow ultra-low-speed operation that will be smooth yet responsive to the throttle.

## 27 Big stand

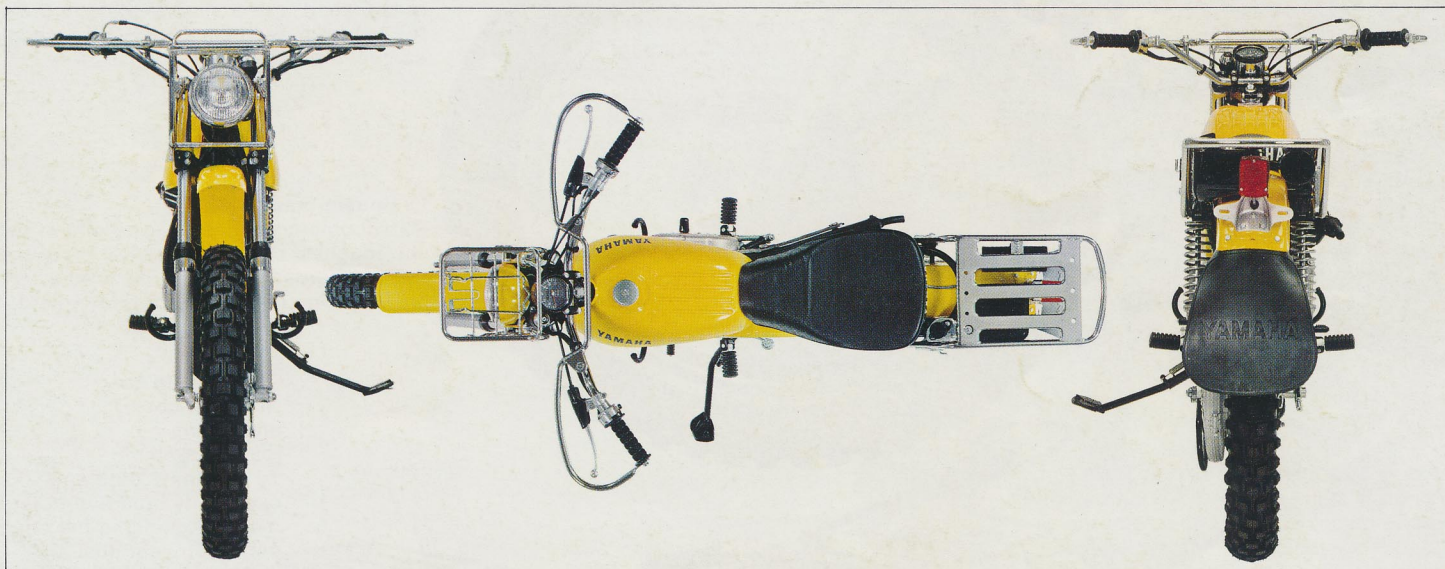
The big, spring-loaded stand has a large, flat foot so that the bike can be stopped and left standing on wet or muddy land.





The new Ag100 has been improved even further over last year's model to yield service that is designed to work hand-in-hand with the men who live on the rugged farms and stations that are found in Australia and New Zealand. The petrol tank has been increased to a large, 11 liter size with a wider design so that loads, if necessary, can be more easily carried on the tank. Also, the operating range of the machine is greater enabling more distance to be traveled between fuel stops. For added safety when riding over rough land, foot-peg

guards have been added which not only protect the foot pegs, but also protect the foot-brake lever, the gear-shift lever and the rider's feet. The guards around the machine are all constructed to withstand severe punishment, even dropping the bike, and as an extra-convenience feature, the headlight guard is now equipped with a new spring clamp so that documents and other papers can be more easily carried freeing the hands and pockets for other uses.



## SPECIFICATIONS:

### PERFORMANCE

Max. speed range ..... 90 km/h (56 mph)  
 Climbing ability ..... 30 degrees  
 Min. turning radius ..... 1,995 mm (78.5 in.)  
 Min. braking distance ..... 15 m @50 km/h (49.2 ft. @31 mph)

### ENGINE

Type ..... 2-stroke, 7-port, Torque Induction, Single  
 Displacement ..... 97 cc (5.92 cu. in.)  
 Bore & Stroke ..... 52 x 45.6 mm (2.047 x 1.795 in.)  
 Compression ratio ..... 6.85:1  
 Max. horsepower ..... 8.5 hp @7,000 rpm  
 Max. torque ..... 0.9 kg-m (6.5 ft-lb) @6,500 rpm  
 Lubrication system ..... Autolube  
 Starting system ..... Primary kick starter  
 Transmission ..... 5-speed gearbox

### DIMENSIONS

Overall length ..... 1,990 mm (78.3 in.)  
 Overall width ..... 835 mm (32.9 in.)  
 Overall height ..... 1,065 mm (41.9 in.)  
 Wheelbase ..... 1,260 mm (49.6 in.)  
 Min. ground clearance ..... 230 mm ( 9.1 in.)

**WEIGHT (Net)** ..... 103 kg (227 lbs.)

**FUEL TANK CAPACITY** ..... 11 lit. (2.9 US gal.)

**OIL TANK CAPACITY** ..... 1.1 lit. (1.2 US qt.)

**TIRES** front ..... 3.00-18-4 PR  
 rear ..... 3.50-18-4 PR

\* Specifications subject to change without notice.

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# YAMAHA



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