

# FS1E

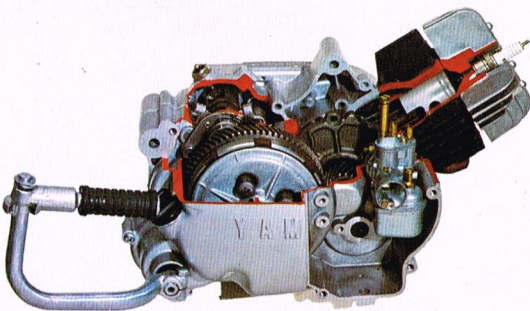


 **YAMAHA**

## For Town and Country People.

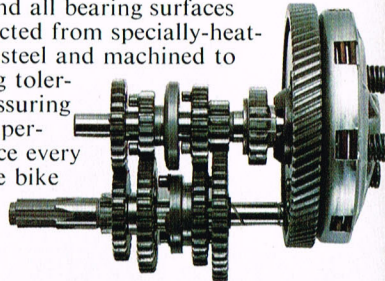
### Engine

To power the FSI-E smoothly through crowded city streets and quickly down open roads, a 49-cc., 2-stroke, single-cylinder rotary-valve engine is used. This engine features a positive intake function to assure optimum performance with its precise rotary valve mounted on the crankshaft in between the carburetor and the crankcase. Exhausting is also efficient to keep the engine operating more efficiently for a longer maintenance-free period. For lasting durability with spirited response and amazing fuel economy, the 2-stroke rotary-valve engine is ideal and exactly suited for the FSI-E.



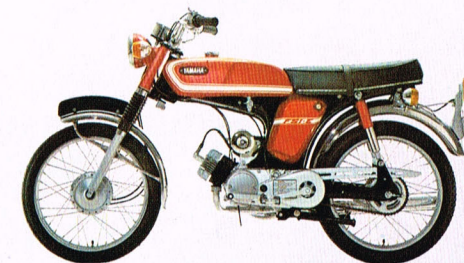
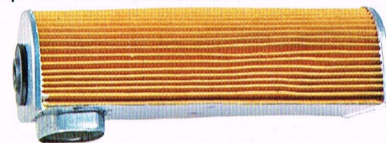
### Transmission

The 4-speed transmission of the the FSI-E is designed for fluid-smooth shifting with a wide overlap in between gears so that fewer shifts are required under any riding situation. Ideal for beginners...no missed shifts with the positive action of the spring-return shift lever. Durable with the gears and all bearing surfaces constructed from specially-heat-treated steel and machined to exacting tolerances assuring quality performance every time the bike is ridden.



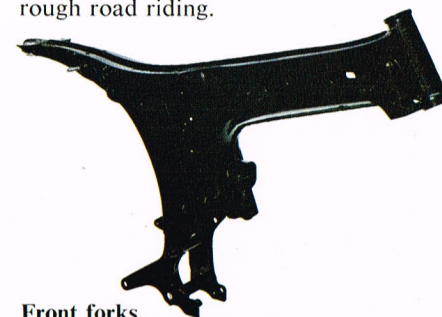
### Air cleaner

To protect the engine from dust and other particles in the air, the large air filter effectively traps all such harmful material greatly increasing the lifetime of the engine. Also, this air cleaner has been designed so that intake air is able to flow smoothly into the carburetor, yielding engine operation that is dependable, powerful and quickly able to respond to the throttle.



### Frame

The FSI-E utilizes a unitized-construction, backbone frame. This frame, which is molded from steel plate, is specially welded to assure that it will be able to withstand the stresses and strains from sharp cornering plus be durable against rough road riding.



### Front forks

The hydraulically-damped springs of the front forks are designed to absorb large impacts, yielding a smoother, more controlled ride for optimum maneuverability regardless of road or traffic conditions. Also, these long-stroke front forks have been specially engineered to iron out smaller surface roughness, such as "washboard" roads, without causing any extra fatigue.

### Rear shock absorbers

The rear shocks on the FSI-E are built to iron out the roughest road giving more pleasure during longer rides. The inner-spring is critically damped for machine stability without sacrificing any maneuverability characteristics.

### Brakes

The front and rear brakes are equipped with a special labyrinth seal to assure that neither water nor dust enter and affect the operation. Also, they have a large braking surface for more stopping power and better heat dissipation.

### Fuel tank

Large capacity for fewer fuel stops when riding, the aerodynamically-designed fuel tank gives a classic racing form to the already well-built FSI-E, yielding an image that speaks of swiftness and maneuverability.

### Tires

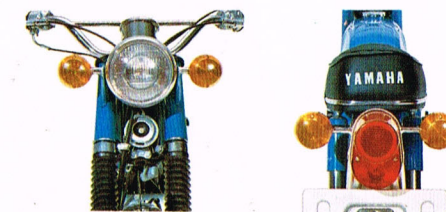
To yield the best street performance for the FSI-E, the rear tire pattern has been selected so that engine power can be more efficiently transferred to the road while the front tire gives maximum maneuverability and control.

### Seat

The seat is constructed just like the larger, professional road racing machines, and the cover is durable to withstand all types of weather. Comfort designed to reduce riding fatigue to a minimum making all trips more pleasurable.

### Lighting

Nighttime riding pleasures are equally as enjoyable and safe as those during the day with the extra-large headlight, with high and low beams, and the stop light that can be easily seen by traffic behind.



### Speedometer

General bike performance can be noted at a glance at the precision speedometer which is mounted for convenience just over the headlight. Also, this speedometer is softly back-lighted at night for easy viewing, therefore, safer operation.



### Handle switches

Conveniently clustered around each handle grip for easy use are the horn button, turn-signal switch, headlight switch and pedal changeover lever.

### Pedal changeover lever

To vary riding pleasures even further, the FSI-E can be changed from motor power to pedal power with a simple flick of the pedal changeover lever. And, of course, the return to motor power is just as easy.

# The space-shrinking time machine

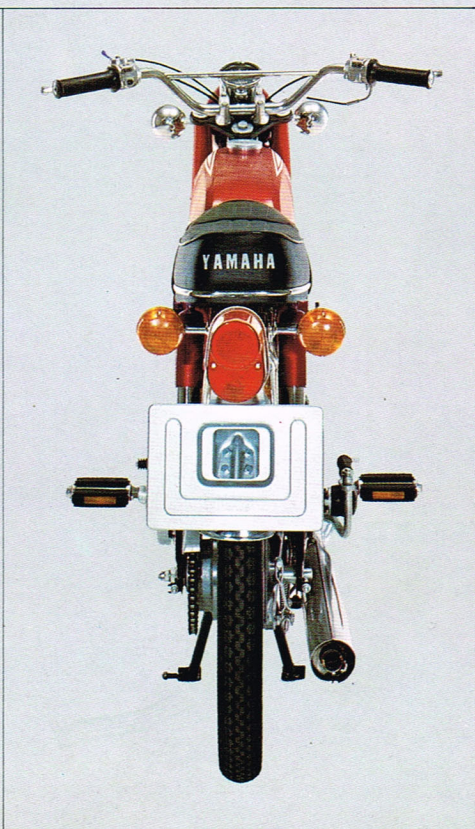
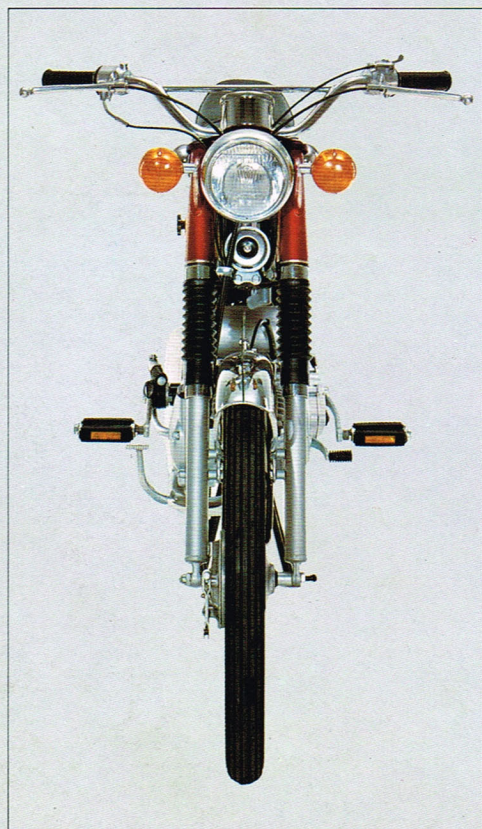


The handiest, sportiest way to make the world smaller and your life bigger. Light and lively, easy to handle as a bicycle, the FS1E goes just about anywhere you usually go by walking.

Only quicker, smarter, in colour and in style. The suburbs were never closer to downtown. Hop on one of these spritely machines and travel time is now pleasure time. Whether you go straight-line or otherwise. So practical, it puts you in a new dimension.

This may not be a racing machine, but it is a relative of the Yamaha family of thoroughbred racers. The experience we gained capturing trophies on the tracks and trails of the world are worked into this fashionable bike to assure you long, troublefree motoring pleasure with a bare minimum of maintenance.

You'll make more time that way.



## SPECIFICATIONS

### PERFORMANCE

Max. speed range ..... 73 km/h  
 Climbing ability ..... 18°  
 Min. turning radius ..... 1,800 mm  
 Min. braking distance ..... 7 m @35 km/h

### ENGINE

Type ..... 2-stroke, Rotary valve, Single  
 Displacement ..... 49 cc  
 Bore & Stroke ..... 40 x 39.7 mm  
 Compression ratio ..... 7.1:1  
 Max. horsepower  
 (S.A.E. net) ..... 4.8 bhp @7,000 rpm  
 Max. torque ..... 0.52 kg-m @6,000 rpm  
 Lubrication system ..... Pre-mix (20:1)  
 Starting system ..... Primary kick starter  
 Transmission ..... 4-speed gearbox

### DIMENSIONS

Overall length ..... 1,755 mm  
 Overall width ..... 555 mm  
 Overall height ..... 935 mm  
 Wheelbase ..... 1,160 mm  
 Min. ground clearance ..... 135 mm

WEIGHT (net) ..... 70 kg

FUEL TANK CAPACITY ..... 6.0 lit.

TIRES front ..... 2.25-17-4PR  
 rear ..... 2.50-17-4PR

\* Specifications subject to change without notice.

# YAMAHA, It's a way of life.



# YAMAHA



SINCE 1887

YAMAHA MOTOR CO., LTD.  
2500 SHINGAI IWATA-SHI SHIZUOKA-KEN JAPAN