

Hyosung - Aquila 250 owner

The personal safety of the rider may be involved. Disregarding this information could result in injury to the rider.

WARNING

These instructions point out special service procedures or precautions that must be followed to avoid damaging the machine. CAUTION

NOTE: This provides special information to make maintenance easier or important instructions clearer. IMPORTANT

BREAK-IN INFORMATION FOR YOUR MOTORCYCLE

The first 1,000km (600 miles) are the most important in the life of your motorcycle. Proper break-in operation during this time will help ensure maximum life and performance from your new motorcycle. Hyosung parts are manufactured of high-quality materials, and manufactured parts are finished to close tolerances. Proper break-in operation allows the machined surfaces to polish each other and mate smoothly.

Motorcycle reliability and performance depend on special care and restraint exercised during the break-in period. It is especially important that you avoid operating the engine in a manner which could expose the engine parts to excessive heat.

Please refer to the BREAK-IN section for specific break-in recommendations. WARNING/CAUTION/NOTE

Please read this manual and follow its instructions carefully. To emphasize special information the words WARNING , CAUTION and NOTE carry special meanings and should be carefully reviewed.

All information, illustrations, photographs, and specifications contained in this manual are based on the latest product information available at the time of publication. Due to improvements or other changes, there may be some discrepancies in this manual. Hyosung reserves the right to make changes at any time.

Please note that this manual applies to all specifications for all respective destinations and explains all equipment. Therefore, your model may have different standard features than shown in this manual.

HYOSUNG MOTORS & MACHINERY INC.

Overseas Technical Department

COPYRIGHT HYOSUNG MOTORS & MACHINERY INC. FOREWORD

THANK YOU for choosing Hyosung. We at Hyosung have designed, tested, and produced this motorcycle using the most modern technology available to provide you with many happy, enjoyable, safe riding experiences. Motorcycling is one of the most exhilarating sports, and to ensure your riding enjoyment, you should become thoroughly familiar with the information presented in this Owners Manual before riding the motorcycle.

The proper care and maintenance that your motorcycle requires are outlined in this manual. By following these instructions explicitly, you will ensure a long, trouble-free operating life for your motorcycle. Your Hyosung dealer has experienced technicians trained to provide your machine with the best possible service with the right tools and equipment.

TABLE OF CONTENTS

1. CONSUMER INFORMATION 4

ACCESSORY INSTALLATION AND PRECAUTION SAFETY TIPS
SAFE RIDING RECOMMENDATION FOR MOTORCYCLE RIDERS

SERIAL NUMBER LOCATION

2. NAMES OF EACH PART 6

3. CONTROLS 9

IGNITION SWITCH

IGNITION KEY

INSTRUMENT PANEL

LEFT HANDLE SWITCH

RIGHT HANDLE SWITCH

SUPPLY OF GASOLINE

CARBURETOR CHOKE LEVER

FUEL COCK

REAR BRAKE PEDAL

GEARSHIFT LEVER

STAND

SEAT LOCK

REAR SUSPENSION

4. FUEL AND OIL RECOMMENDATION 15

5. BRAKE-IN 15

6. INSPECTION BEFORE RIDING 17

PERIODIC MAINTENANCE

7. RIDING TIPS 20

STARTING THE ENGINE

STARTING OFF

USING THE TRANSMISSION

RIDING ON HILLS

STOPPING AND PARKING

8. INSPECTION AND REPAIR 22

TOOL

BATTERY

AIR CLEANER

FUEL HOSE

SPARK PLUG

ENGINE OIL

CARBURETOR

CLUTCH ADJUSTMENT

DRIVE CHAIN

BRAKES

TIRES

REPLACE OF THE LAMP

WHEN THE ENGINE REFUSES TO START

WHEN KEEPING FOR LONG PERIOD

9. SPECIFICATIONS 41

There are a great variety of accessories available to Hyosung owners. Hyosung cannot have direct control over the quality or suitability of accessories you may wish to purchase except genuine parts. The addition of unsuitable accessories can lead to unsafe operating conditions. It is not possible for Hyosung to test each accessory on the market or combinations of all the available accessories; however, your dealer can assist you in selecting quality accessories and installing them correctly.

Use extreme caution when selecting and installing the accessories for your Hyosung. We have developed some general guidelines that will aid you when deciding whether and how to equip your motorcycle.

1. In case that additional weight or aerodynamic affecting accessories are installed, they should be mounted as low as possible, as close to the motorcycle, and as near the center of gravity as is feasible. The mounting brackets and other attachment hardware should be carefully checked to ensure that it provides for a rigid, nonmovable mount. Weak mounts can allow the shifting of the weight and create a dangerous, unstable condition.

2. Inspect for proper ground clearance and bank angle. An improperly mounted load could critically reduce these two safety factors. Also, determine that the load does not interfere with the operation of the suspension steering or other control operations.

3. Accessories fitted to the handlebars or the front fork area can create serious stability problems. This extra weight will cause the motorcycle to be less responsive to your steering control. The weight may also cause oscillations in the front end and lead to instability problems. Accessories added to the machine should be as light as possible and kept to a minimum.

4. The motorcycle may be affected by a lifting condition or by an instability in cross winds or when being passed or passing large vehicles. Improperly mounted or poorly designed accessories can result in an unsafe riding condition; therefore, caution should be used when selecting and installing all accessories.

5. Certain accessories displace the rider from his or her normal riding position. This limits the freedom of movement of the rider and may limit his or her control ability.

6. Additional electrical accessories may overload the existing electrical system. Severe overloads may damage the wiring harness or create a dangerous situation due to the loss of electrical power during the operation of the motorcycle.

When carrying a load on the motorcycle, mount it as low as possible and as close as possible to the machine. An improperly mounted load can create a high center of gravity which is very dangerous and makes the motorcycle difficult to handle. The size of the load can also affect the aerodynamics and handling of the motorcycle.

Balance the load between the left and right side of the motorcycle and fasten it securely.

MODIFICATION

Modification of the motorcycle or removal of original equipment may render the vehicle unsafe or illegal. ACCESSORY INSTALLATION AND PRECAUTION SAFETY TIPS

SAFE RIDING RECOMMENDATION FOR MOTORCYCLE RIDERS

Motorcycle riding is great fun and an exciting sport. Motorcycle riding also requires that some extra precautions be taken to ensure the safety of the rider and passenger. These precautions are: CONSUMER INFORMATION

Frame number:

Engine number:

The frame number is stamped on the steering head tube.

The engine serial number is stamped on the left upside of the crankcase assembly.

Please write down the numbers in the box provided below for your future reference. SERIAL NUMBER LOCATION

WEAR A HELMET

Motorcycle safety equipment starts with a quality safety helmet. One of the most serious injuries that can happen is a head injury. ALWAYS wear a properly approved helmet. You should also wear suitable eye protection.

RIDING APPAREL

Loose fancy clothing can be uncomfortable and unsafe in terms of riding your motorcycle. Choose good quality motorcycle riding apparel.

INSPECTION BEFORE RIDING

Review thoroughly the instructions in the INSPECTION BEFORE RIDING section of this manual. Do not forget to perform an entire safety inspection to ensure the safety of the rider and its passenger.

FAMILIARIZE YOURSELF WITH THE MOTORCYCLE

Your riding skill and mechanical knowledge form the foundation for safe riding practices. We suggest that you practice riding your motorcycle in a non-traffic situation until you are thoroughly familiar with your machine and its controls. Remember practice makes perfect.

KNOW YOUR LIMITS

Ride within the boundaries of your own skill at all times. Knowing these limits and staying within them will help you to avoid accidents.

BE EXTRA SAFETY CONSCIOUS ON BAD WEATHER DAYS

Riding on bad weather days, especially wet ones, requires extra caution. Braking distances double on a rainy day. Stay off of the painted surface marks, manhole covers and greasy appearing areas as they can be especially slippery. Use extreme caution at railway crossings and on metal gratings and bridges. Whenever you have a doubt about road condition, slow down!

The frame and/or engine serial numbers are used to register the motorcycle. They also assist your dealer in terms of ordering parts or referring to special service information.

Clutch lever

Left handle switches

Choke lever

Speedometer

Fuel gauge

Tachometer

Front brake fluid reservoir

Throttle grip

Front brake lever
Right handle switches
Fuel tank cap
Ignition switches
NAMES OF EACH PARTS

Ignition coil (Front)
Throttle stop screw
Ignition coil (Rear)
Fuel cock
Spark plug (Rear)
Fuel pump
Seat lock
Passenger footrests
Side stand
Footrests
Gearshift lever
Spark plug (Front)

Tools
Battery and fuse
Air cleaner
Rear brake pedal
Rear brake lamp switch
Engine oil filter
Engine oil drain plug
Engine oil filler cap
Engine oil level lens