

# **BL Motorcycles Ltd**

*Professional Workshop Manual - English Translation*

## **Hyosung - Sense sd\_50**

### **1 IMPORTANT**

#### **BREAK-IN INFORMATION FOR YOUR MOTORCYCLE**

The first 1000km (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.

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

### **2 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. Motorcycling is one of the most exhilarating sports and insure your riding enjoyment, you should become thoroughly familiar with the information presented in this Owner's Manual before riding the motorcycle.

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

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Therefore, your model may have different standard features than shown in this manual.

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## **3 TABLE OF CONTENTS**

### **1. CONSUMER INFORMATION 4**

ACCESSORY INSTALLATION AND PRECAUTION TIPS

SAFE RIDING RECOMMENDATION FOR MOTORCYCLE RIDERS

### **2. NAMES OF EACH PART 6**

#### **3. CONTROLS 7**

INSTRUMENT PANEL

IGNITION SWITCH

#### **4. HOW TO USE 9**

HOW TO OPEN SEAT

HOW TO USE HELMET HOLDER

HOW TO USE PERSONAL TRUNK

#### **5. GASOLINE AND ENGINE OIL 10**

#### **6. THE PROPER OPERATIONS 11**

#### **7. INSPECTION BEFORE RIDING 16**

BRAKES

TIRES

GASOLINE AND ENGINE OIL

LAMPS

REAR-VIEW MIRRORS

#### **8. PERIODIC MAINTENANCE 19**

FRONT FORK

BRAKES

TIRES

AIR CLEANER

BATTERY

TRANSMISSION

ENGINE OIL AND GASOLINE

#### **9. MAINTENANCE TIPS 23**

BRAKE LEVER

FUSES

BATTERY

AIR CLEANER

RUBBER CAP

#### **10. SPECIFICATIONS 25**

## **4 1.CONSUMER INFORMATION**

### **ACCESSORY INSTALLATION AND PRECAUTION SAFETY TIPS**

# **BL Motorcycles Ltd**

*Professional Workshop Manual - English Translation*

There are a great variety of accessories available to Hyosung owners. Hyosung can not have direct control over the quality or suitability of accessories you may wish to purchase. 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 which will aid you when deciding whether, and how to equip your motorcycle.

(1) Anytime 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 accessories 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 handlebars or front fork 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.

## **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

# **BL Motorcycles Ltd**

*Professional Workshop Manual - English Translation*

to ensure the safety of the rider and passenger. These precautions are:

## **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 when riding your motorcycle. Choose good quality motorcycle riding apparel when riding your motorcycle.

## **INSPECTION BEFORE RIDING**

Review thoroughly the instructions in the INSPECTION BEFORE RIDING section of this manual. Do not for-

5 get 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 your 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 in doubt about road condition, slow down!

## **SERIAL NUMBER LOCATION**

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

The frame number is stamped on the right side of the under center in the frame.

The engine serial number is stamped on the right side of the crankcase assembly.

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

Frame number:

# BL Motorcycles Ltd

*Professional Workshop Manual - English Translation*

Engine number:

## 6.2 NAMES OF EACH PARTS

Rear brake lever  
Dimmer switch  
Turn signal switch  
Horn switch  
Ignition switch  
Starter button  
Light switch  
Front brake lever  
Throttle grip  
Rear carrier  
Fuel tank  
Personal space  
Muffler  
Air cleaner  
Battery & Fuse  
Helmet holder  
Oil tank  
Seat lock  
Center stand  
Kick start lever

- - - means the invisible parts

The lack of Engine oil could cause serious damages on the Engine.

**CAUTION!**

The fuel gauge indicates the remaining amount whenever the ignition switch is ON or OFF. For checking the remaining amount of fuel, put the motorcycles on the center-stand and set the ignition switch is ON.

**CAUTION!**

## 7 TURN SIGNAL INDICATOR LIGHT

When turn signals are being operated. the indicator will flash intermittently.

## OIL INDICATOR LIGHT

When the engine oil level in the tank becomes too low requiring HYPOL OIL refilling. the indicator will light. When the oil level check light turns on, the remaining amount of oil has become approximately 300.

## 3.CONTROLS

## SPEEDOMETER