

Husaberg - Husaberg_2002_Manual_de_intretinere

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INTRODUCTION

Please read and observe the following:

Warning

If the engine has to be running during any maintenance, make sure that the area is properly ventilated. Never run the engine in a closed area though the exhaust fumes are poisonous and thus hazardous to your health and life.

Warning

Although the battery is of a sealed construction, please take care. The electrolyte contains sulfuric acid and you must protect your eyes, skin and clothing if such fluid is assumed to be leaking or likewise exposed. In case of contact, wash and flush thoroughly with water and contact medical help if needed, especially if your eyes have been exposed to the fluid.

Warning

Fuel is extremely flammable and explosive under certain conditions. Do not smoke or expose the fuel to open fire or sparks.

SERVICE CONDITIONS:

1. Always use original Husaberg parts.
2. Use the special Husaberg tools when required.
3. Install new gaskets, o-rings, circlips etc whenever possible.
4. Always clean all parts thoroughly before assembly.
5. All screws, nuts and bolts etc. are in the metric system. Do not use incorrect tools.

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INTRODUCTION

Always put the motorcycle on a stable centerstand whenever removing either front or rear wheel.

ATTENTION:

Never ride your motorcycle under the influence of alcohol, drugs, barbiturates or any other kind of medical treatments hazardous to your riding performance.

ATTENTION:

Never ride in a too low or too high gear.

Never let the engine run for more than one minute while stationary.

It may cause severe mechanical damages.

ATTENTION:

Service more frequently when riding under hard conditions.

ATTENTION:

Do not use a high pressure jet-cleaning equipment on surfaces around bearings and other fragile components.

WARNING:

Do not check the coolant level while the engine is hot.

ATTENTION:

Less clearances than the required cause severe engine damages.

Dear client,

We feel ourselves privileged and honored to be the supplier of your choice of motorcycle. We know for sure that our product will give you years of fun and performance though the Husabergs are based upon decades of experience in racing and a dedication hard to find elsewhere. You're bound to feel this through the inborn lively spirit of your bike.

Although mainly designed and constructed for competition purposes it is still very rider-friendly but due to the design the product needs careful and proper maintenance. In order to get the most out of your "beast" and before any use of the

motorbike; we highly recommend you to carefully read this Owner's Manual through. We also recommend you to pay your utmost attention to the following page regarding safety and precautions and always remember the fundamental base of all activities on two wheels:

- "Do not overestimate your capabilities, follow the domestic regulations and do think about your surroundings."

Although the Owner's Manual is put together and written in a way that will make it possible for an average mechanical experienced person to take care of the maintenance, we recommend you to let an authorized Husaberg dealer take care of at least the parts we've mentioned under:

Also, part of the maintenance has to be performed by an authorized dealer in order to fulfill the terms of warranty.

If you follow the advice regarding the set-up and of course also regarding the vital maintenance of the motorcycle; the Husaberg of yours will provide a maintained level of performance (read: joy and satisfaction - the reason to your choice of brand).

The personnel of Husaberg Motor AB Sweden

SAFETY AND PRECAUTIONS

Never ride your motorcycle under the influence of alcohol, drugs, barbiturates or any other kind of medical treatments hazardous to your riding performance.

ATTENTION:

SAFETY

PROTECTION:

Always protect yourself with adequate clothing and protective apparel.

Always wear a helmet, goggles and boots.

MOTORCYCLE:

The motorcycle may become dangerous to ride if it is modified or if any other parts than original Husaberg parts are used. The use of other parts than original makes the warranty no longer valid.

Always keep your motorcycle in a safe state and in the best of conditions.

Regular cleaning and maintenance are extremely vital in order to avoid any mechanical damages hazardous to you and/or your surroundings.

TRANSPORTATION:

Always transport your bike upright in order to avoid any leakages of oil and/or fuel. Such fluids may increase the risk of fire. Always make sure that the bike is properly fastened in a safe and firm position during transportation.

RIDING:

Always check the motorcycle for any deterioration/damages and any necessary adjustments before you start the motorcycle (see "Pre-ride inspection").

Though the Husaberg motorcycle has a very high level of performance; always ride with care and do not overestimate your capabilities. Get to know your Husaberg motorcycle really well before you try to get the most out of it.

Never lend your motorcycle to any other rider unless you are sure that he/she is fully capable of handling it.

Always obey all local and federal regulations and laws valid within the territory.

Never ride in terrain unfamiliar to you unless inspected and guaranteed by the local authorities.

PRE-RIDE INSPECTION:

Make it a habit to give your motorcycle an inspection before and after every ride.

Always check all bolts and nuts and tighten if necessary - All for your own safety.

A clean and well lubricated bike makes for a safer ride as well as a higher value of the machine. The Pre-ride Inspection Checklist on the next page is to be regarded as a brief summary of the main important items to be controlled and, if necessary; to be adjusted or replaced.

SAFETY AND PRECAUTIONS

PRE-RIDE INSPECTION CHECK LIST

Engine oil Check the level and fill up if necessary.

Check for any leakages in the casing.

Ignition Check the sparkplug cap/HV lead for damages.

Radiator Check the coolant level and fill up if necessary.

Check for leakages and/or damages of the cells and hoses and attachments.

Airfilter Clean, or if necessary, replace the filter.

Carburettor Check the function of the throttle/cable and adjust/replace any damaged parts if necessary. Adjust the idling- and/or mixture screw if necessary. After every time the motorbike has been washed drain the float chamber of the carburettor.

Clutch Check the function and for any leakages.

Decompression Check the function of the manual and the semi-automatic decompression lever and adjust if necessary (non-electrical starter models only).

Chain Check and adjust/replace the chain if necessary.

Check the sprockets and replace if necessary.

Suspension Check the operation of the front fork and the shock absorber and adjust if necessary. Check and tighten the swingarm if necessary.

Wheels Check the air pressure of the tyres and fill up if necessary.

Check the spokes and tighten if necessary.

Brakes Check the level of brakefluid and fill up if necessary.

Check for any leakages and the function of the brakes. Adjust levers and/or replace hoses/pads if necessary.

Fuel Check the level and fill up if necessary.

Check for any leakages in the fuel lines.

Steering Check the clearance of the steering head bearings and adjust if necessary.

Controls Check the function of the speedometer or odometer (if included in equipment).

Lighting Check the functions of the front-, tail-, and brake lights (and any occurring turn signals).

GENERAL INFORMATION

SPECIFICATIONS

SUBJECT/MODEL FE 400 e FE 501 e FE 650 e FS 400 e FS 650 e FS 400 c FS 650 c FC 470/6 FC 550/4 FC 550/6 FC 470 e FX 470 e FX 650 e

Displacement 399cc 501cc 644cc 399cc 644cc 399cc 644cc 472cc 550cc 550cc 472cc 472cc 644cc

Bore x Stroke (mm) 92 x 60,1 95 x 70,7 100 x 82,0 92 x 60,1 100 x 82,0 92 x 60,1 100 x 82,0 100 x 60,1 100 x 70,0 100 x 70,7 100 x 60,1 100 x 60,1 100 x 82,0

Compression ratio 12,5:1 11,8:1 11,0:1 12,5:1 11,0:1 12,5:1 11,0:1 12,4:1 12,7:1 12,7:1 12,4:1 12,4:1 11,0:1

Start system Electrical and kick-starter Kick-starter Electrical and kick-starter

BL Motorcycles Ltd

Professional Workshop Manual - English Translation

Decompression system Three separate ones; one activated by the kickstart lever, one activated by the camshaft and one activated by a lever on the handlebar

Decomp. cable clearance $2\text{mm} \pm 1\text{mm}$ / $0,08\text{ in} \pm 0,04\text{ in}$.

Engine Liquid cooled single cylinder 4-stroke, SOHC-4 valves, counter balancer

Valve clearance Intake and Exhaust: 0,10mm / 0,004 in.

Lubrication system Orbit oil pump and reed valve controlled. High pressure jet spray of piston and connecting rod, pressure lubrication of connecting rod bearing and rocker arms. Oil screen and micro filter

Engine oil 1,0 Litre Synthetic SAE 5W-50 API SG/CF (minimum SAE 10W-50)

Ignition system SEM Dynamic Force Control, DFC, Dual Ignition Curves; High & Low. A load sensitive digital system with six sensors

Spark plug - Spark plug gap NGK DCPR8E - 0,6 mm / 0,025 in.

Alternator 12 V 70 + 70 W Not available 12 V 70 + 70 W

Air intake system Single foam filter

Carburettor (DELLORTO) PHM 38 PHM 40 PHM 40 PHM 38 PHM 40 PHM 40 PHM 40 PHM 40 PHM 40 PHM 40 PHM
40 PHM 40 PHM 40

Fuel RON 98 (octane), unleaded

Exhaust system