DEAR HUSQVARNA MOTORCYCLES CUSTOMER

Congratulations on your decision to purchase a Husqvarna motorcycle. You are now the owner of a state-of-the-art, sporty motorcycle that you will continue to enjoy for a long time if you maintain it properly.

We wish you good and safe riding at all times!

Enter the serial numbers of your vehicle below.

<table>
<thead>
<tr>
<th>Vehicle identification number (p. 13)</th>
<th>Dealer’s stamp</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine number (p. 13)</td>
<td></td>
</tr>
</tbody>
</table>

The Owner’s Manual contained the latest information for this model series at the time of going to print. However, minor differences due to further developments in design cannot be ruled out completely.

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Issued by: TÜV-Management Service

Husqvarna Motorcycles GmbH
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5230 Mattighofen, Austria

This document is valid for the following models:
FC 350 EU (F2201U1)
FC 350 US (F2275U1)
FX 350 (F2201U6)
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1.1 Symbols used

The meaning of specific symbols is described below.

- Indicates an expected reaction (e.g. of a work step or a function).

- Indicates an unexpected reaction (e.g. of a work step or a function).

All work marked with this symbol requires specialist knowledge and technical understanding. In the interests of your own safety, have these jobs performed by an authorized Husqvarna Motorcycles workshop. There, your motorcycle will be optimally cared for by specially trained experts using the specialist tools required.

- Indicates a page reference (more information is provided on the specified page).

- Indicates information with more details or tips.

- Indicates the result of a testing step.

- Indicates a voltage measurement.

- Indicates a current measurement.

- Indicates the end of an activity, including potential rework.

1.2 Formats used

The typographical formats used in this document are explained below.

<table>
<thead>
<tr>
<th>Format</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary name</td>
<td>Indicates a proprietary name.</td>
</tr>
<tr>
<td>Name®</td>
<td>Indicates a protected name.</td>
</tr>
<tr>
<td>Brand™</td>
<td>Indicates a brand available on the open market.</td>
</tr>
<tr>
<td>Underlined terms</td>
<td>Refer to technical details of the vehicle or indicate technical terms, which are explained in the glossary.</td>
</tr>
</tbody>
</table>
2 SAFETY ADVICE

2.1 Use definition – intended use
This vehicle has been designed and built to withstand the normal stresses and strains of racing. This vehicle complies with the currently valid regulations and categories of the top international motorsports organizations.

Info
Only operate this vehicle in closed-off areas remote from public road traffic.

2.2 Misuse
The vehicle must only be used as intended. Dangers can arise for people, property and the environment through use not as intended. Any use of the vehicle beyond the intended and defined use constitutes misuse. Misuse also includes the use of operating and auxiliary fluids which do not meet the required specification for the respective use.

2.3 Safety advice
A number of safety instructions need to be followed to operate the product described safely. Therefore read this instruction and all further instructions included carefully. The safety instructions are highlighted in the text and are referred to at the relevant passages.

Info
Various information and warning labels are attached in prominent locations on the product described. Do not remove any information or warning labels. If they are missing, you or others may not recognize dangers and may therefore be injured.

2.4 Degrees of risk and symbols

! Danger
Identifies a danger that will immediately and invariably lead to fatal or serious permanent injury if the appropriate measures are not taken.

! Warning
Identifies a danger that is likely to lead to fatal or serious injury if the appropriate measures are not taken.

! Caution
Identifies a danger that may lead to minor injuries if the appropriate measures are not taken.

Note
Identifies a danger that will lead to considerable machine and material damage if the appropriate measures are not taken.

! Note
Indicates a danger that will lead to environmental damage if the appropriate measures are not taken.
2.5 Tampering warning

Tampering with the noise control system is prohibited. Federal law prohibits the following acts or the causing thereof:

1. The removal or rendering inoperative by any person other than for purposes of servicing, repair, or replacement, of any device or element of design incorporated into any new vehicle for the purpose of noise control prior to its sale or delivery to the ultimate purchaser or while it is in use, or
2. the use of the vehicle after such device or element of design has been removed or rendered inoperative by any person.

Among those acts presumed to constitute tampering are the acts listed below:

1. Removal or puncturing of the main silencers, baffles, header pipes or any other components which conduct exhaust gases.
2. Removal or puncturing of parts of the intake system.
3. Lack of proper maintenance.
4. Replacing moving parts of the vehicle, or parts of the exhaust system or intake system, with parts other than those specified by the manufacturer.

2.6 Safe operation

<table>
<thead>
<tr>
<th>Danger</th>
<th>Danger of accidents</th>
<th>A rider who is not fit to ride poses a danger to him or herself and others.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Do not operate the vehicle if you are not fit to ride due to alcohol, drugs or medication.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Do not operate the vehicle if you are physically or mentally impaired.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Danger</th>
<th>Danger of poisoning</th>
<th>Exhaust gases are toxic and inhaling them may result in unconsciousness and death.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Always make sure there is sufficient ventilation when running the engine.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Use effective exhaust extraction when starting or running the engine in an enclosed space.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Warning</th>
<th>Danger of burns</th>
<th>Some vehicle components become very hot when the vehicle is operated.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Do not touch any parts such as the exhaust system, radiator, engine, shock absorber, or brake system before the vehicle parts have cooled down.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Let the vehicle parts cool down before you perform any work on the vehicle.</td>
<td></td>
</tr>
</tbody>
</table>

Only operate the vehicle when it is in perfect technical condition, in accordance with its intended use, and in a safe and environmentally compatible manner.
The vehicle should only be used by trained persons.
Have malfunctions that impair safety immediately eliminated by an authorized Husqvarna Motorcycles workshop.
Adhere to the information and warning labels on the vehicle.
2.7 Protective clothing

**Warning**

**Risk of injury** Missing or poor protective clothing presents an increased safety risk.
- Wear appropriate protective clothing such as helmet, boots, gloves as well as trousers and a jacket with protectors on all rides.
- Always wear protective clothing that is in good condition and meets the legal regulations.

In the interest of your own safety, Husqvarna Motorcycles recommends that you only operate the vehicle while wearing protective clothing.

2.8 Work rules

Unless specified otherwise, the ignition must be turned off during all work (models with ignition lock, models with remote key) or the engine must be at a standstill (models without ignition lock or remote key).

Special tools are necessary for certain tasks. The tools are not a component of the vehicle, but can be ordered using the number in parentheses. Example: bearing puller (15112017000)

During assembly, use new parts to replace parts which cannot be reused (e.g. self-locking screws and nuts, expansion screws, seals, sealing rings, O-rings, pins, and lock washers).

In the case of certain screws, a screw adhesive (e.g. Loctite®) is required. Observe the manufacturer's instructions.

If thread locker (e.g., Precote®) has already been applied to a new part, do not apply any additional thread locker.

After disassembly, clean the parts that are to be reused and check them for damage and wear. Change damaged or worn parts.

After completing a repair or service work, check the operating safety of the vehicle.

2.9 Environment

If you use your motorcycle responsibly, you can ensure that problems and conflicts do not occur. To protect the future of the motorcycle sport, make sure that you use your motorcycle legally, display environmental consciousness, and respect the rights of others.

When disposing of used oil, other operating and auxiliary fluids, and used components, comply with the laws and regulations of the respective country.

Because motorcycles are not subject to the EU regulations governing the disposal of used vehicles, there are no legal regulations that pertain to the disposal of an end-of-life motorcycle. Your authorized Husqvarna Motorcycles dealer will be glad to advise you.

2.10 Owner’s Manual

It is important that you read this Owner’s Manual carefully and completely before making your first trip. The Owner’s Manual contains useful information and many tips on how to operate, handle, and service your motorcycle. Only then will you find out how to customize the vehicle ideally for your own use and how you can protect yourself from injury.

Keep the Owner’s Manual in an accessible place to enable you to refer to it as needed.

If you would like to know more about the vehicle or have questions on the material you read, please contact an authorized Husqvarna Motorcycles dealer.

The Owner’s Manual is an important component of the vehicle and must be handed over to the new owner if the vehicle is sold.

The Owner's Manual is also available for download from your authorized Husqvarna Motorcycles dealer and on the Husqvarna Motorcycles website.

International Husqvarna Motorcycles website: www.husqvarna-motorcycles.com
3.1 Manufacturer warranty, implied warranty

The work prescribed in the service schedule must only be carried out in an authorized Husqvarna Motorcycles workshop and confirmed in the Husqvarna Motorcycles Dealer.net, as otherwise all warranty claims will be void. Damage or secondary damage caused by tampering with and/or conversions on the vehicle are not covered by the manufacturer warranty.

3.2 Fuel, auxiliary substances

Note
Environmental hazard Improper handling of fuel is a danger to the environment.
- Do not allow fuel to enter the groundwater, the soil, or the sewage system.

Use fuels and auxiliary substances in accordance with the Owner’s Manual and specification.

3.3 Spare parts, accessories

For your own safety, only use spare parts and accessory products that are approved and/or recommended by Husqvarna Motorcycles and have them installed by an authorized Husqvarna Motorcycles workshop. Husqvarna Motorcycles accepts no liability for other products and any resulting damage or loss.

The article numbers of some spare parts and accessory products are specified in parentheses in the descriptions. Your authorized Husqvarna Motorcycles dealer will be glad to advise you.

The current Husqvarna Motorcycles accessories for your vehicle are available from your authorized Husqvarna Motorcycles dealer and on the Husqvarna Motorcycles website. International Husqvarna Motorcycles website: www.husqvarna-motorcycles.com

3.4 Service

A prerequisite for perfect operation and prevention of premature wear is that the service, care, and tuning work on the engine and chassis is properly carried out as described in the Owner’s Manual. An incorrect suspension setting can lead to damage and breakage of chassis components.

Use of the vehicle under difficult conditions, such as on sand or on wet and muddy surfaces, can result in significantly increased wear of components, such as the drive train, brake system, or suspension components. For this reason, it may be necessary to inspect or replace parts before the next scheduled service.

It is imperative that you adhere to the stipulated run-in times and service intervals. If you observe these exactly, you will ensure a much longer service life for your motorcycle.

The relevant mileage or time interval is whichever occurs first.

3.5 Figures

The figures contained in the manual may depict special equipment.

In the interest of clarity, some components may be shown disassembled or may not be shown at all. It is not always necessary to disassemble the component to perform the activity in question. Please follow the instructions in the text.
### 3.6 Customer service

Your authorized Husqvarna Motorcycles dealer will be happy to answer any questions you may have regarding your vehicle and Husqvarna Motorcycles.

A list of authorized Husqvarna Motorcycles dealers can be found on the Husqvarna Motorcycles website. International Husqvarna Motorcycles website: www.husqvarna-motorcycles.com

### 3.7 Questions and suggestions

If you have any questions or suggestions relating to this document, please contact your authorized Husqvarna Motorcycles dealer stating the article number of this document and the page number. This will enable your matter to be dealt with quickly and, if necessary, forwarded to Husqvarna Motorcycles.

A list of authorized Husqvarna Motorcycles dealers can be found on the Husqvarna Motorcycles website. International Husqvarna Motorcycles website: www.husqvarna-motorcycles.com
4.1 View of vehicle, front left (example)

1. Hand brake lever (p. 15)
2. Clutch lever (p. 15)
3. Fuel tank filler cap
4. Air filter box cover
5. Plug-in stand (p. 21) (FC 350 EU, FC 350 US)
6. Engine number (p. 13)
7. Shift lever (p. 20)
8. Cold start button (p. 19)
4.2 View of vehicle, rear right (example)

1. Combination switch (p. 16)
2. Switch-off button (p. 16)
3. Start button (p. 16)
4. Throttle grip (p. 15)
5. Fork part number (p. 13)
6. Foot brake lever (p. 21)
7. Level viewer, engine oil
8. Level viewer for brake fluid, rear
5.1 Vehicle identification number

The vehicle identification number 1 is stamped on the right side of the steering head.

5.2 Type label

The type label 1 is fixed to the front of the steering head.

5.3 Engine number

Engine number 1 is stamped onto the engine case at the top near the engine sprocket.

5.4 Fork part number

The fork part number 1 is stamped on the inside of the axle clamp.
5.5 Shock absorber article number

The shock absorber article number 1 is stamped on the top of the shock absorber above the adjusting ring towards the engine side.
6.1 Clutch lever

The clutch lever 1 is fitted on the left side of the handlebar. The clutch is hydraulically operated and self-adjusting.

6.2 Hand brake lever

(FC 350 EU, FC 350 US)

The hand brake lever 1 is fitted on the right side of the handlebar.

(FX 350)

The hand brake lever 1 is fitted on the right side of the handlebar.

The front brake is engaged using the hand brake lever.

6.3 Throttle grip

The throttle grip 1 is fitted on the right side of the handlebar.
6.4 Switch-off button

Switch-off button 1 is fitted on the left side of the handlebar.

Possible states
- The switch-off button 1 is in the basic position – In this position, the ignition circuit is closed and the engine can be started.
- The switch-off button 1 is pressed – In this position, the ignition circuit is interrupted, a running engine stops, and a non-running engine will not start.

6.5 Start button

Start button 1 is fitted on the right side of the handlebar.

Possible states
- The start button 1 is in the basic position
- The start button 1 is pressed – In this position, the starter motor is actuated.

6.6 Combination switch

The combination switch is fitted on the left side of the handlebar.

Possible states

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>STANDARD – STANDARD mapping is activated when LED 1 lights up.</td>
<td></td>
</tr>
<tr>
<td>1TC</td>
<td>STANDARD with TC – STANDARD mapping with traction control is activated when LED 1 and TC light up.</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>ADVANCED – ADVANCED mapping is activated, when LED 2 lights up.</td>
<td></td>
</tr>
<tr>
<td>2 TC</td>
<td>ADVANCED with TC – ADVANCED mapping with traction control is activated when LED 2 and TC light up.</td>
<td></td>
</tr>
</tbody>
</table>

The engine characteristic can be changed using button MAP on the combination switch. The launch control and the traction control can also be activated using the combination switch.
6.7 Overview of indicator lamps

Possible states

- Malfunction indicator lamp lights up/flashes orange
  - The OBD has detected an error in the vehicle electronics.

- Malfunction indicator lamp flashes orange rapidly
  - Launch control is activated.

(FX 350)

- Fuel level warning lamp lights up orange
  - The fuel level has reached the reserve mark.

6.8 Opening fuel tank filler cap

**Danger**

**Fire hazard**  Fuel is highly flammable.
The fuel in the fuel tank expands when warm and can escape if overfilled.
  - Do not fuel the vehicle in the vicinity of open flames or lit cigarettes.
  - Switch off the engine for refueling.
  - Make sure that no fuel is spilled; particularly not on hot parts of the vehicle.
  - If any fuel is spilled, wipe it off immediately.
  - Observe the specifications for refueling.

**Warning**

**Danger of poisoning**  Fuel is poisonous and a health hazard.
  - Avoid skin, eye and clothing contact with fuel.
  - Immediately consult a doctor if you swallow fuel.
  - Do not inhale fuel vapors.
  - In case of skin contact, rinse the affected area with plenty of water.
  - Rinse the eyes thoroughly with water, and consult a doctor in case of fuel contact with the eyes.
  - Change your clothing in case of fuel spills on them.
  - Keep fuels correctly in a suitable canister, and out of the reach of children.

**Note**

**Environmental hazard**  Improper handling of fuel is a danger to the environment.
  - Do not allow fuel to enter the groundwater, the soil, or the sewage system.

(FC 350 EU, FC 350 US)

- Turn fuel tank filler cap 1 counterclockwise and lift it off.
6.9 Closing the fuel tank filler cap

(FX 350)
- Press release button 1, turn the fuel tank filler cap counterclockwise, and lift it off.

(FX 350)
- Mount fuel tank filler cap 1 and turn it clockwise until the release button 1 engages.

(FC 350 EU, FC 350 US)
- Mount fuel tank filler cap 1 and turn it clockwise until the fuel tank is tightly closed.

Info
Route fuel tank breather hose 2 without kinks.
6.10 Cold start button

**(FC 350 EU, FC 350 US)**

The cold start button 1 is fitted to the bottom of the throttle valve body.

**(FX 350)**

The cold start button 1 is fitted to the bottom of the throttle valve body.

The electronic fuel injection system extends the injection time if the engine is cold and the ambient temperature is low. To help the engine burn the increased fuel quantity, it must be supplied with additional oxygen by pushing the cold start button.

After briefly opening up the throttle and then releasing the throttle grip again, or turning the throttle grip towards the front, the cold start button returns to its original position.

---

**Info**

Check whether the cold start button has returned to its basic position.

**Possible states**

- The cold start button is activated – The cold start button is pushed in all the way.
- The cold start button is deactivated – The cold start button is in its basic position.
6.11 Idle speed adjusting screw

The idle setting of the throttle valve body substantially influences the vehicle’s starting behavior, a stable idle speed, and the vehicle’s response when the throttle is opened. An engine with a correctly set idle speed is easier to start than an engine with the idle speed set incorrectly. The idle speed is adjusted using the idle speed adjusting screw 1. Increase the idle speed by turning the idle speed adjusting screw clockwise. Decrease the idle speed by turning the idle speed adjusting screw counterclockwise.

6.12 Shift lever

Shift lever 1 is mounted on the left side of the engine.

(FC 350 EU, FC 350 US)

The gear positions can be seen in the photograph. The neutral or idle position is between the first and second gears.

(FX 350)

The gear positions can be seen in the photograph. The neutral or idle position is between the first and second gears.
6.13 Foot brake lever

Foot brake lever 1 is located in front of the right footrest. The foot brake lever is used to activate the rear brake.

6.14 Plug-in stand (FC 350 EU, FC 350 US)

The support for plug-in stand 1 is the left side of the wheel spindle. The plug-in stand is used to park the motorcycle. The plug-in stand is used as a fork locker when transporting the motorcycle.

**Info**
Remove the plug-in stand before riding. The tool can be attached to the plug-in stand holders.

6.15 Side stand (FX 350)

The side stand 1 is located on the left of the vehicle.

The side stand is used for parking the motorcycle.

**Info**
When you are riding, side stand 1 must be folded up and secured with rubber strap 2.
6.16 Service hour counter

The service hour counter 1 is fitted in front of the handlebar. It shows the total number of service hours of the engine. The service hour counter begins counting when the engine is started and stops when the engine is switched off.

Info
The value indicated by the service hour counter cannot be cleared or adjusted.
7.1 Advice on preparing for first use

**Danger**

**Danger of accidents** A rider who is not fit to ride poses a danger to him or herself and others.
- Do not operate the vehicle if you are not fit to ride due to alcohol, drugs or medication.
- Do not operate the vehicle if you are physically or mentally impaired.

**Warning**

**Risk of injury** Missing or poor protective clothing presents an increased safety risk.
- Wear appropriate protective clothing such as helmet, boots, gloves as well as trousers and a jacket with protectors on all rides.
- Always wear protective clothing that is in good condition and meets the legal regulations.

**Warning**

**Danger of crashing** Different tire tread patterns on the front and rear wheel impair the handling characteristic.
Different tire tread patterns can make the vehicle significantly more difficult to control.
- Make sure that only tires with a similar tire tread pattern are fitted to the front and rear wheel.

**Warning**

**Danger of accidents** An unadapted riding style impairs the handling characteristic.
- Adapt your riding speed to the road conditions and your riding ability.

**Warning**

**Danger of accidents** The vehicle is not designed to carry passengers.
- Do not ride with a passenger.

**Warning**

**Danger of accidents** The brake system fails in the event of overheating.
If the foot brake lever is not released, the brake linings drag continuously.
- Take your foot off the foot brake lever when you are not braking.

**Warning**

**Danger of accidents** Total weight and axle loads influence the handling characteristic.
- Do not exceed the maximum permissible overall weight or the axle loads.

**Warning**

**Risk of misappropriation** People who act without authorization endanger themselves and others.
- Do not leave the vehicle unattended if the engine is running.
- Protect the vehicle against access by unauthorized persons.

**Info**

When using the motorcycle, remember that others may be disturbed by excessive noise.
- Ensure that the pre-sale inspection work has been carried out by an authorized Husqvarna Motorcycles workshop.
  ✔️ You will receive a delivery certificate when the vehicle is handed over.
- Read the entire Owner’s Manual before riding for the first time.
- Get to know the controls.
- Adjust the basic position of the clutch lever. (p. 83)
Adjust the basic position of the hand brake lever. (p. 86)
Adjust the basic position of the foot brake lever. (p. 95)
Adjust the basic position of the shift lever. (p. 124)
Get used to the handling characteristic of the motorcycle on suitable terrain before undertaking a more challenging ride.

Info
This vehicle is not approved for use on public roads.
When offroad, it is recommended that you are accompanied by another person on another vehicle so that you can help each other.

Also, ride as slowly as possible and in a standing position to get a better feel for the motorcycle.
Do not undertake any off-road trips that exceed your ability and experience.
Hold the handlebar firmly with both hands and keep your feet on the footrests when riding.

(FC 350 EU, FC 350 US)
Do not carry the luggage.

(FX 350)
If luggage is carried, ensure it is fixed firmly as close as possible to the center of the vehicle and ensure even weight distribution between the front and rear wheels.

Info
Motorcycles react sensitively to any changes of weight distribution.

Do not exceed the maximum permissible weight and maximum permissible axle loads.

Guideline

| Maximum permissible overall weight | 335 kg (739 lb.) |
| Maximum permissible front axle load | 145 kg (320 lb.) |
| Maximum permissible rear axle load | 190 kg (419 lb.) |

Run in the engine. (p. 24)

7.2 Running in the engine

During the running-in phase, do not exceed the specified engine speed and engine performance.

Guideline

<table>
<thead>
<tr>
<th>Maximum engine speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>During the first operating hour</td>
</tr>
</tbody>
</table>

Maximum engine performance

<table>
<thead>
<tr>
<th>Maximum engine performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>During the first 3 operating hours</td>
</tr>
</tbody>
</table>

Avoid fully opening the throttle!
7.3 Starting power of lithium-ion batteries at low temperatures

Lithium-ion batteries are far lighter than lead batteries, have a low self-discharge rate, and have more starting power at temperatures over 15 °C (60 °F). At low temperatures, however, the starting power of lithium-ion batteries drops to below that of lead batteries. Multiple starting attempts may be needed. Press the start button for 5 seconds, and wait 30 seconds between attempts. The pauses are necessary so that the heat created can distribute through the lithium-ion battery and the 12-V battery is not damaged.

If the charged lithium-ion battery is unable to actuate the electric starter when temperatures are below 15 °C (50 °F), the battery is not faulty, but needs to be warmed up internally to increase its starting power (current output). The starting power increases as the battery warms up.

7.4 Preparing the vehicle for difficult riding conditions

Info

Use of the vehicle under difficult conditions, such as on sand or on wet and muddy surfaces, can lead to considerably more rapid wear of components such as the drive train, brake system, or suspension components. For this reason, it may be necessary to inspect or replace parts before the next scheduled service.

- Clean the air filter and air filter box. (p. 68)
- Check the air filter approx. every 30 minutes.

- Check the electrical connector for humidity and corrosion and to ensure it is firmly seated.
  » If humidity, corrosion, or damage is found:
    - Clean and dry the connector, or change it if necessary.

Difficult riding conditions are:
- Rides on dry sand. (p. 25)
- Rides on wet sand. (p. 26)
- Rides on wet and muddy circuits. (p. 27)
- Rides at high temperatures or slow riding. (p. 27)
- Riding at low temperatures and in snow. (p. 27)

7.5 Preparing the vehicle for riding on dry sand

- Mount the air filter dust cover.

Air filter dust cover (79006920000)

Info

Observe the fitting instructions for Husqvarna Motorcycles accessories.
7.6 Preparing the vehicle for riding on wet sand

- Mount the air filter sand cover.
  
  **Air filter sand cover (79006922000)**

- Clean the chain.
  
  **Chain cleaner (p. 151)**

- Mount the steel sprocket.
  - Grease the chain.
    
    **Universal oil spray (p. 152)**

- Clean the radiator fins.
  - Straighten the bent radiator fins carefully.

**Condition**

Regular use in sand
  - Change the piston every 20 operating hours.
7.7 Preparing the vehicle for riding on wet and muddy circuits

- Mount the air filter rain cover.
  
  Air filter rain cover (79006921000)

  ! Info
  
  Observe the fitting instructions for Husqvarna Motorcycles accessories.

- Mount the steel sprocket.
- Clean the motorcycle. (p. 131)
- Straighten the bent radiator fins carefully.

7.8 Preparing vehicle for high temperatures or slow riding

- Adjust the secondary drive to the road conditions.

  ! Info
  
  The engine oil heats up quickly when the clutch is operated frequently due to an excessively high secondary ratio.

- Clean the chain.
  
  Chain cleaner (p. 151)
- Clean the radiator fins.
- Straighten bent radiator fins carefully.
- Check the coolant level. (p. 115)

7.9 Preparing the vehicle for low temperatures or snow

- Mount the air filter rain cover.
  
  Air filter rain cover (79006921000)

  ! Info
  
  Observe the fitting instructions for Husqvarna Motorcycles accessories.
8.1 Checks and maintenance measures when preparing for use

 anunciación de imágenes

Check the condition of the vehicle and ensure that it is safe to operate. The vehicle must be in perfect technical condition when it is being operated.

- Check the engine oil level. (p. 127)
- Check the front brake fluid level. (p. 87)
- Check the rear brake fluid level. (p. 95)
- Check the front brake linings. (p. 90)
- Check the brake linings of the rear brake. (p. 98)
- Check that the brake system is functioning properly.
- Check the coolant level. (p. 115)
- Check for chain dirt accumulation. (p. 76)
- Check the chain, rear sprocket, engine sprocket, and chain guide. (p. 78)
- Check the chain tension. (p. 77)
- Check the tire condition. (p. 107)
- Check tire pressure. (p. 107)
- Check the spoke tension. (p. 108)

The spoke tension must be checked regularly as incorrect spoke tension will strongly impair riding safety.

- Clean the dust boots of the fork legs. (p. 52)
- Bleed the fork legs. (p. 52)
- Check the air filter.
- Check the settings of all controls and ensure that they can be operated smoothly.
- Check all screws, nuts, and hose clamps regularly for tightness.
- Check the fuel level.

8.2 Starting the vehicle

Danger

Danger of poisoning Exhaust gases are toxic and inhaling them may result in unconsciousness and death.
- Always make sure there is sufficient ventilation when running the engine.
- Use effective exhaust extraction when starting or running the engine in an enclosed space.

Note

Engine damage High revving speed with a cold engine negatively impacts the lifespan of the engine.
- Always run the engine warm at a low speed.
8.3 Activating launch control

**Info**
The launch control helps the rider to generate optimum motorcycle acceleration at the beginning of a race. The maximum speed of the engine with the throttle valve fully opened (full throttle) is reduced. After the start, it is gradually increased up to the maximum engine speed. The clutch must be operated exactly as it would be without launch control activated.

**Condition**
The motorcycle is stationary.
The engine is running at idle speed.
The transmission is in neutral.
– Press and hold the **MAP** and **TC** buttons simultaneously.

 craftsmen The malfunction indicator lamp flashes orange rapidly.

 - **Info**
  The launch control is deactivated automatically for a few seconds after the vehicle has started.
  The launch control is also deactivated in the following cases (malfunction indicator lamp no longer flashes): if the throttle valve is closed more than 1/3 of the way after full throttle, and/or if there is no start within 3 minutes.
  For safety reasons, the engine must be switched off for at least 10 seconds before the launch control can be activated again, regardless of whether the vehicle has been started or not.
  If the engine has already been running for some time, the engine must first be restarted before the launch control can be activated.

### 8.4 Activating traction control

 - **Info**
  The traction control reduces excessive slip on the rear wheel in favor of more control and propulsion, particularly in wet conditions.
  When traction control is switched off, the rear wheel may spin more during high acceleration and on surfaces with low grip.
  Traction control can be switched on or off during the ride.
  The setting most recently selected is activated again when restarting.

 - Press button **TC** to switch the traction control on or off.

<table>
<thead>
<tr>
<th>Engine speed</th>
<th>≤ 4,000 rpm</th>
</tr>
</thead>
</table>

 craftsmen The **TC** LED lights up when the traction control is activated.

### 8.5 Starting off

– Pull the clutch lever, engage 1st gear, release the clutch lever slowly and simultaneously open the throttle carefully.
8.6 Shifting, riding

**Warning**

*Danger of accidents*  If you change down at high engine speed, the rear wheel blocks and the engine races.

- Do not change into a low gear at high engine speed.

**Info**

If unusual noises occur while riding, stop immediately, switch off the engine, and contact an authorized Husqvarna Motorcycles workshop.

First-gear is used for starting off and for steep inclines.

- Shift into a higher gear when conditions allow (incline, road situation, etc.). To do so, release the throttle while simultaneously pulling the clutch lever, shift into the next gear, release the clutch lever and open the throttle.
- If the cold start button was pushed while starting, open the throttle briefly and release the throttle grip or turn the throttle grip forward.
  ✓ The cold start button goes to the basic position.
- After reaching maximum speed by fully opening the throttle, turn the throttle back so it is ¾ open. This will barely reduce the speed, but fuel consumption will be considerably lower.
- Only open the throttle as much as the engine can handle – abrupt throttle grip opening increases fuel consumption.
- To shift down, apply the brakes and close the throttle at the same time.
- Pull the clutch lever and shift into a lower gear, release the clutch lever slowly, and either open the throttle or shift again.
- Switch off the engine if you are likely to be running at idle speed or stationary for a long time.

**Guideline**

| ≥ 1 min |

- Avoid frequent or lengthy slipping of the clutch. This causes the engine oil, engine and cooling system to heat up.
- Ride at a low engine speed instead of at a high engine speed with a slipping clutch.

8.7 Applying the brakes

**Warning**

*Danger of accidents*  Excessively forceful application of the brakes blocks the wheels.

- Adjust application of the brakes to the respective riding situation and riding surface conditions.

**Warning**

*Danger of accidents*  A spongy pressure point on the front or rear brake reduces braking efficiency.

- Check the brake system and do not continue riding until the problem is eliminated. (Your authorized Husqvarna Motorcycles workshop will be glad to help.)

**Warning**

*Danger of accidents*  Moisture and dirt impair the brake system.

- Brake carefully several times to dry out and remove dirt from the brake linings and the brake discs.

- On sandy, wet, or slippery surfaces, use mostly the rear brake.
- Always finish braking before you go into a bend. Shift down to a lower gear appropriate to your speed.
– Use the braking effect of the engine on long downhill stretches. Shift back one or two gears, but do not overrev the engine when doing so. This means that significantly less braking is required and the brake system does not overheat.

8.8 Stopping, parking

<table>
<thead>
<tr>
<th>Warning</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Risk of misappropriation</strong></td>
</tr>
<tr>
<td>– Do not leave the vehicle unattended if the engine is running.</td>
</tr>
<tr>
<td>– Protect the vehicle against access by unauthorized persons.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Warning</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Danger of burns</strong></td>
</tr>
<tr>
<td>– Do not touch any parts such as the exhaust system, radiator, engine, shock absorber, or brake system before the vehicle parts have cooled down.</td>
</tr>
<tr>
<td>– Let the vehicle parts cool down before you perform any work on the vehicle.</td>
</tr>
</tbody>
</table>

**Note**

**Material damage** The vehicle may be damaged by incorrect procedure when parking.
Significant damage may be caused if the vehicle rolls away or falls over.
The components for parking the vehicle are designed only for the weight of the vehicle.
– Park the vehicle on a firm and level surface.
– Ensure that nobody sits on the vehicle when the vehicle is parked on a stand.

**Note**

**Fire hazard** Hot vehicle components pose a fire hazard and explosion risk.
– Do not park the vehicle near to materials which are highly flammable or explosive.
– Allow the vehicle to cool down before covering it.
– Apply the brakes on the motorcycle.
– Shift the transmission to neutral position.
– Press and hold the switch-off button while the engine is idling until the engine stops.
– Park the motorcycle on firm ground.

8.9 Transporting

**Note**

**Danger of damage** The parked vehicle can roll away or fall over.
– Park the vehicle on a firm and level surface.

**Note**

**Fire hazard** Hot vehicle components pose a fire hazard and explosion risk.
– Do not park the vehicle near to materials which are highly flammable or explosive.
– Allow the vehicle to cool down before covering it.
(FC 350 EU, FC 350 US)
– Switch off the engine.
– Mount plug-in stand on the fork legs.

Plug-in stand (79029094000)

Info
The plug-in stand is included.
Make sure the brake line runs in front of the plug-in stand and does not become wedged.

– Use tension belts or other suitable devices to secure the motorcycle against falling over or rolling away.

Info
Only tighten the tension belts to the point that the plug-in stand is in contact with the fender and tires.
Pay attention to the alignment of the plug-in stand to the fender.

(FX 350)
– Switch off the engine.
– Use tension belts or other suitable devices to secure the motorcycle against falling over or rolling away.

8.10 Refueling

Danger
Fire hazard  Fuel is highly flammable.

The fuel in the fuel tank expands when warm and can escape if overfilled.
– Do not fuel the vehicle in the vicinity of open flames or lit cigarettes.
– Switch off the engine for refueling.
– Make sure that no fuel is spilled; particularly not on hot parts of the vehicle.
– If any fuel is spilled, wipe it off immediately.
– Observe the specifications for refueling.

Warning
Danger of poisoning  Fuel is poisonous and a health hazard.

– Avoid skin, eye and clothing contact with fuel.
– Immediately consult a doctor if you swallow fuel.
– Do not inhale fuel vapors.
– In case of skin contact, rinse the affected area with plenty of water.
– Rinse the eyes thoroughly with water, and consult a doctor in case of fuel contact with the eyes.
– Change your clothing in case of fuel spills on them.

Note
Material damage  Inadequate fuel quality causes the fuel filter to quickly become clogged.

In some countries and regions, the available fuel quality and cleanliness may not be sufficient. This will result in problems with the fuel system.
– Refuel only with clean fuel that meets the specified standards. (Your authorized Husqvarna Motorcycles workshop will be glad to help.)
Note

Environmental hazard  Improper handling of fuel is a danger to the environment.
– Do not allow fuel to enter the groundwater, the soil, or the sewage system.

– Switch off the engine.
– Open fuel tank filler cap. (p. 17)
– Fill the fuel tank with fuel up to measurement A.

Guideline

<table>
<thead>
<tr>
<th>Measurement of A</th>
<th>35 mm (1.38 in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total fuel tank capacity, approx. (FC 350 EU, FC 350 US)</td>
<td>6.8 l (1.8 US gal)</td>
</tr>
<tr>
<td>Total fuel tank capacity, approx. (FX 350)</td>
<td>8.5 l (2.25 US gal)</td>
</tr>
</tbody>
</table>

– Close the fuel tank filler cap. (p. 18)
### 9.1 Additional information

Any further work that results from the compulsory work or from the recommended work must be ordered separately and invoiced separately.

Different service intervals may apply in your country, depending on the local operating conditions.

Individual service intervals and scopes may change in the course of technical developments. The most up-to-date service schedule can always be found on Husqvarna Motorcycles Dealer.net. Your authorized Husqvarna Motorcycles dealer will be glad to advise you.

### 9.2 Required work

<table>
<thead>
<tr>
<th>Every 40 operating hours</th>
<th>Every 30 operating hours</th>
<th>Every 20 operating hours</th>
<th>Every 10 operating hours</th>
<th>After 1 operating hour</th>
</tr>
</thead>
<tbody>
<tr>
<td>Read out the fault memory using the Husqvarna Motorcycles diagnostics tool.</td>
<td>![ ]</td>
<td>![ ]</td>
<td>![ ]</td>
<td>![ ]</td>
</tr>
<tr>
<td>Check and charge the 12 V battery.</td>
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<tr>
<td>Check the front brake linings. (p. 90)</td>
<td>![ ]</td>
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</tr>
<tr>
<td>Check the brake linings of the rear brake. (p. 98)</td>
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<tr>
<td>Check the brake discs. (p. 87)</td>
<td>![ ]</td>
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</tr>
<tr>
<td>Check the brake lines for damage and leakage.</td>
<td>![ ]</td>
<td>![ ]</td>
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<tr>
<td>Check the rear brake fluid level. (p. 95)</td>
<td>![ ]</td>
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<td>![ ]</td>
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<tr>
<td>Check the free travel of the foot brake lever. (p. 94)</td>
<td>![ ]</td>
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</tr>
<tr>
<td>Check the frame. (p. 81)</td>
<td>![ ]</td>
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<tr>
<td>Check the link fork. (p. 81)</td>
<td>![ ]</td>
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<td>![ ]</td>
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</tr>
<tr>
<td>Check the fork bearing for play.</td>
<td>![ ]</td>
<td>![ ]</td>
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</tr>
<tr>
<td>Checking the shock absorber heim joint for play.</td>
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<td>![ ]</td>
</tr>
<tr>
<td>Check the shock absorber linkage.</td>
<td>![ ]</td>
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<tr>
<td>Check the tire condition. (p. 107)</td>
<td>![ ]</td>
<td>![ ]</td>
<td>![ ]</td>
<td>![ ]</td>
</tr>
<tr>
<td>Check tire pressure. (p. 107)</td>
<td>![ ]</td>
<td>![ ]</td>
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</tr>
<tr>
<td>Check the wheel bearing for play.</td>
<td>![ ]</td>
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<tr>
<td>Check the wheel hubs.</td>
<td>![ ]</td>
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<tr>
<td>Check the rim run-out.</td>
<td>![ ]</td>
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<tr>
<td>Check the spoke tension. (p. 108)</td>
<td>![ ]</td>
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<tr>
<td>Check the chain, rear sprocket, engine sprocket, and chain guide. (p. 78)</td>
<td>![ ]</td>
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<tr>
<td>Check the chain tension. (p. 77)</td>
<td>![ ]</td>
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<tr>
<td>Grease all moving parts (e.g., hand lever, chain, ...) and check for smooth operation.</td>
<td>![ ]</td>
<td>![ ]</td>
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</tr>
<tr>
<td>Check/correct the fluid level of the hydraulic clutch. (p. 83)</td>
<td>![ ]</td>
<td>![ ]</td>
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</tr>
<tr>
<td>Check the front brake fluid level. (p. 87)</td>
<td>![ ]</td>
<td>![ ]</td>
<td>![ ]</td>
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</tr>
<tr>
<td>Check the free travel of the hand brake lever. (FC 350 EU, FC 350 US) (p. 86)</td>
<td>![ ]</td>
<td>![ ]</td>
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<tr>
<td>Check steering head bearing play. (p. 58)</td>
<td>![ ]</td>
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<tr>
<td>Check the valve clearance.</td>
<td>![ ]</td>
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<td>![ ]</td>
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<tr>
<td>Check the clutch.</td>
<td>![ ]</td>
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</tr>
<tr>
<td>Change the cover seal and radial shaft seal rings of the water pump.</td>
<td>![ ]</td>
<td>![ ]</td>
<td>![ ]</td>
<td>![ ]</td>
</tr>
<tr>
<td>Change the engine oil and oil filter, clean the oil screen. (p. 127)</td>
<td>![ ]</td>
<td>![ ]</td>
<td>![ ]</td>
<td>![ ]</td>
</tr>
</tbody>
</table>
### 9.3 Recommended work

<table>
<thead>
<tr>
<th>After every race</th>
<th>Every 40 operating hours</th>
<th>Every 30 operating hours</th>
<th>Every 20 operating hours</th>
<th>Every 10 operating hours</th>
<th>After 1 operating hour</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check all hoses (e.g. fuel, cooling, bleeder, drainage hoses, etc.) and sleeves for cracking, tightness, and correct routing.</td>
<td>○ ● ● ● ● ●</td>
<td>○ ● ● ● ●</td>
<td>○ ● ● ● ●</td>
<td>○ ● ● ● ●</td>
<td>○ ● ● ● ● ●</td>
</tr>
<tr>
<td>Check the antifreeze and coolant level. ([p. 114])</td>
<td>○ ● ● ● ● ●</td>
<td>○ ● ● ● ●</td>
<td>○ ● ● ● ●</td>
<td>○ ● ● ● ●</td>
<td>○ ● ● ● ● ●</td>
</tr>
<tr>
<td>Check the cables for damage and for routing without kinks.</td>
<td>● ● ● ● ●</td>
<td>● ● ● ● ●</td>
<td>● ● ● ● ●</td>
<td>● ● ● ● ●</td>
<td>● ● ● ● ●</td>
</tr>
<tr>
<td>Check that the throttle cables are undamaged, routed without kinks, and set correctly.</td>
<td>○ ● ● ● ● ●</td>
<td>○ ● ● ● ●</td>
<td>○ ● ● ● ●</td>
<td>○ ● ● ● ●</td>
<td>○ ● ● ● ● ●</td>
</tr>
<tr>
<td>Clean the air filter and air filter box. ([p. 68])</td>
<td>● ● ● ● ●</td>
<td>● ● ● ● ●</td>
<td>● ● ● ● ●</td>
<td>● ● ● ● ●</td>
<td>● ● ● ● ●</td>
</tr>
<tr>
<td>Change the glass fiber yarn filling of the main silencer. ([p. 69])</td>
<td>● ●</td>
<td>● ●</td>
<td>● ●</td>
<td>● ●</td>
<td>● ●</td>
</tr>
<tr>
<td>Service the fork.</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Perform the shock absorber service.</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Check the tightness of the easily accessible, safety-relevant screws and nuts.</td>
<td>○ ● ● ● ● ●</td>
<td>○ ● ● ● ●</td>
<td>○ ● ● ● ●</td>
<td>○ ● ● ● ●</td>
<td>○ ● ● ● ● ●</td>
</tr>
<tr>
<td>Change the fuel screen. ([p. 125])</td>
<td>○ ● ● ● ● ●</td>
<td>○ ● ● ● ●</td>
<td>○ ● ● ● ●</td>
<td>○ ● ● ● ●</td>
<td>○ ● ● ● ● ●</td>
</tr>
<tr>
<td>Check the fuel pressure.</td>
<td>● ● ● ● ●</td>
<td>● ● ● ● ●</td>
<td>● ● ● ● ●</td>
<td>● ● ● ● ●</td>
<td>● ● ● ● ●</td>
</tr>
<tr>
<td>Check the idle speed.</td>
<td>● ● ● ● ●</td>
<td>● ● ● ● ●</td>
<td>● ● ● ● ●</td>
<td>● ● ● ● ●</td>
<td>● ● ● ● ●</td>
</tr>
<tr>
<td>Final check: Check the vehicle for operating safety and take a test ride.</td>
<td>○ ● ● ● ● ●</td>
<td>○ ● ● ● ●</td>
<td>○ ● ● ● ●</td>
<td>○ ● ● ● ●</td>
<td>○ ● ● ● ● ●</td>
</tr>
<tr>
<td>Read out the fault memory after the test ride using the Husqvarna Motorcycles diagnostics tool.</td>
<td>○ ● ● ● ● ●</td>
<td>○ ● ● ● ●</td>
<td>○ ● ● ● ●</td>
<td>○ ● ● ● ●</td>
<td>○ ● ● ● ● ●</td>
</tr>
<tr>
<td>Make a service entry in the Husqvarna Motorcycles Dealer.net.</td>
<td>○ ● ● ● ● ●</td>
<td>○ ● ● ● ●</td>
<td>○ ● ● ● ●</td>
<td>○ ● ● ● ●</td>
<td>○ ● ● ● ● ●</td>
</tr>
</tbody>
</table>

○ One-time interval  
● Periodic interval

<table>
<thead>
<tr>
<th>After every race</th>
<th>Every 100 operating hours</th>
<th>Every 50 operating hours</th>
<th>After 20 operating hours</th>
<th>After 10 operating hours</th>
<th>every 48 months</th>
<th>every 12 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Change the front brake fluid.</td>
<td>●</td>
<td>●</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Change the rear brake fluid.</td>
<td>●</td>
<td>●</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Change the hydraulic clutch fluid. ([p. 84])</td>
<td>●</td>
<td>●</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lubricate the steering head bearing. ([p. 59])</td>
<td>●</td>
<td>●</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Service the fork.</td>
<td>●</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perform the shock absorber service.</td>
<td>○</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Change the fuel filter.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Change the coolant. ([p. 117])</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perform minor engine service including removing and installing the engine. (Change spark plug and spark plug connector. Change the piston, check and measure the cylinder, and check the cylinder head. Check the camshaft and cam lever. Check the timing assembly. Change intake flange.)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Interval</td>
<td>Task Description</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---------------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Every 100 hours</td>
<td>Perform major engine service including removing and installing the engine. (Change valves, valve springs, valve spring seats, and valve spring retainers. Change the connecting rod, conrod bearing and crank pin. Check the transmission and shift mechanism. Check the oil pressure control valve. Change the suction pump. Check the force pump and lubrication system. Change the timing chain. Change all engine bearings. Change the freewheel.)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Every 50 hours</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>After 20 hours</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>After 10 hours</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>every 48 months</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>every 12 months</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- One-time interval
- Periodic interval
10 TUNING THE CHASSIS

10.1 Checking the basic chassis setting with rider's weight

Info
When adjusting the basic chassis setting, first adjust the shock absorber and then the fork.

- For optimal motorcycle riding characteristics and to avoid damage to forks, shock absorbers, link fork and frame, the basic settings of the suspension components must match the rider's weight.
- In the delivered condition, Husqvarna motorcycles are adjusted for an average rider's weight (with full protective clothing).

Guideline

| Standard rider weight | 75 ... 85 kg (165 ... 187 lb.) |

- If the rider's weight is above or below this range, the basic setting of the suspension components must be adjusted accordingly.
- Small weight differences can be compensated by adjusting the spring pretension of the shock absorber, but in the case of large weight differences, the springs must be replaced.

10.2 Air suspension XACT 5548

Air suspension WP XACT 5548 is used in the fork. In this system, suspension is located in the left fork leg and damping in the right fork leg. As fork springs are no longer required, a significant weight advantage is achieved when compared to conventional forks. The response on slightly uneven surfaces is significantly improved.

In normal driving mode, suspension is provided exclusively by an air cushion. A steel spring is located in the left fork leg as an end stop.

Info
If the fork is frequently overloaded, then the air pressure in the fork must be increased to avoid damage to the fork and frame.

The air pressure in the fork can be quickly adjusted to the rider's weight, surface conditions and the rider's preference using a fork airpump. The fork does not have to be dismantled. The time consuming mounting of harder or softer fork springs is not required. If the air chamber loses air due to a damaged seal, the fork will still not sag. In this case the air is retained in the fork. The suspension travel is maintained as far as possible. The damping becomes harder and the riding comfort reduces.

As with a conventional fork, the damping can be adjusted in rebound and compression stages.
The rebound adjuster is located at the lower end of the right fork leg.
The compression adjuster is located at the upper end of the right fork leg.

10.3 Compression damping of the shock absorber

The compression damping of the shock absorber is divided into two ranges: high-speed and low-speed. High-speed and low-speed refer to the compression speed of the rear wheel suspension and not to the vehicle speed.
The high-speed compression adjuster has an effect, for example, when landing after a jump: the rear wheel suspension compresses quickly.
The low-speed compression adjuster has an effect, for example, when riding over long ground swells: the rear wheel suspension compresses slowly.
These two ranges can be adjusted separately, although the transition between high-speed and low-speed is gradual. Thus, modifications in the high-speed range affect the compression damping in the low-speed range and vice versa.

10.4 Adjusting the low-speed compression damping of the shock absorber

Caution
Risk of injury Parts of the shock absorber will move around if the shock absorber is detached incorrectly.
The shock absorber is filled with highly compressed nitrogen.
– Please follow the description provided. (Your authorized Husqvarna Motorcycles workshop will be glad to help.)

Info
The effect of the low-speed compression adjuster can be seen in slow to normal compression of the shock absorber.

– Turn adjusting screw 1 clockwise with a screwdriver as far as the last perceptible click.

Info
Do not loosen fitting 2!
– Turn counterclockwise by the number of clicks corresponding to the shock absorber type.
10.5 Adjusting the high-speed compression damping of the shock absorber

**Caution**

**Risk of injury** Parts of the shock absorber will move around if the shock absorber is detached incorrectly.

The shock absorber is filled with highly compressed nitrogen.

- Please follow the description provided. (Your authorized Husqvarna Motorcycles workshop will be glad to help.)

**Info**

The effect of the high-speed compression adjuster can be seen in fast compression of the shock absorber.

- Turn adjusting screw 1 all the way clockwise with a socket wrench.

**Info**

Do not loosen fitting 2!

- Turn counterclockwise by the number of turns corresponding to the shock absorber type.
10.6 Adjusting the rebound damping of the shock absorber

**Caution**

**Risk of injury** Parts of the shock absorber will move around if the shock absorber is detached incorrectly.

The shock absorber is filled with highly compressed nitrogen.

- Please follow the description provided. (Your authorized Husqvarna Motorcycles workshop will be glad to help.)

- Turn adjusting screw 1 clockwise up to the last perceptible click.
- Turn counterclockwise by the number of clicks corresponding to the shock absorber type.

**Guideline**

<table>
<thead>
<tr>
<th>Rebound damping (FC 350 EU)</th>
<th>Comfort</th>
<th>17 clicks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>15 clicks</td>
<td></td>
</tr>
<tr>
<td>Sport</td>
<td>13 clicks</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rebound damping (FC 350 US)</th>
<th>Comfort</th>
<th>17 clicks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>15 clicks</td>
<td></td>
</tr>
<tr>
<td>Sport</td>
<td>13 clicks</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rebound damping (FX 350)</th>
<th>Comfort</th>
<th>17 clicks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>15 clicks</td>
<td></td>
</tr>
<tr>
<td>Sport</td>
<td>13 clicks</td>
<td></td>
</tr>
</tbody>
</table>

---

**Info**

Turn clockwise to increase damping; turn counterclockwise to reduce damping.

---

Guideline

<table>
<thead>
<tr>
<th>Highspeed compression damping (FC 350 EU)</th>
<th>Comfort</th>
<th>2 turns</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>1.5 turns</td>
<td></td>
</tr>
<tr>
<td>Sport</td>
<td>1 turn</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Highspeed compression damping (FC 350 US)</th>
<th>Comfort</th>
<th>2.5 turns</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>2 turns</td>
<td></td>
</tr>
<tr>
<td>Sport</td>
<td>1.5 turns</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Highspeed compression damping (FX 350)</th>
<th>Comfort</th>
<th>2.5 turns</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>2 turns</td>
<td></td>
</tr>
<tr>
<td>Sport</td>
<td>1.5 turns</td>
<td></td>
</tr>
</tbody>
</table>
10 TUNING THE CHASSIS

10.7 Measuring the rear wheel dimension unloaded

Preparatory work
– Raise the motorcycle with a lift stand. (p. 51)

Main work
– Position the sag gage in the rear axle and measure the distance to marking SAG on the rear fender.

<table>
<thead>
<tr>
<th>Sag gauge (00029090500)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sag gage pin (00029990010)</td>
</tr>
</tbody>
</table>

– Note down the value as dimension A.

Finishing work
– Remove the motorcycle from the lift stand. (p. 51)
### 10.8 Checking the static sag of the shock absorber

- Measure dimension \( A \) of rear wheel unloaded. (p. 42)
- Hold the motorcycle upright with aid of an assistant.
- Measure the distance again between the rear axle and marking \( \text{SAG} \) on the rear fender using the sag gage.
- Note the value as dimension \( B \).

#### Info

The static sag is the difference between measurements \( A \) and \( B \).

- Check the static sag.

<table>
<thead>
<tr>
<th></th>
<th>Static sag (FC 350 EU)</th>
<th>Static sag (FC 350 US)</th>
<th>Static sag (FX 350)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>35 mm (1.38 in)</td>
<td>35 mm (1.38 in)</td>
<td>35 mm (1.38 in)</td>
</tr>
</tbody>
</table>

» If the static sag is less or more than the specified value:
  - Adjust the spring preload of the shock absorber. (p. 44)

### 10.9 Checking the riding sag of the shock absorber

- Measure dimension \( A \) of rear wheel unloaded. (p. 42)
- With another person holding the motorcycle, the rider, wearing full protective clothing, sits on the seat in a normal sitting position (feet on footrests) and bounces up and down a few times.
  - The rear wheel suspension levels out.
- Another person again measures the distance between the rear axle and marking \( \text{SAG} \) on the rear fender using the sag gage.
- Note the value as dimension \( C \).

#### Info

The riding sag is the difference between measurements \( A \) and \( C \).

- Check riding sag.

<table>
<thead>
<tr>
<th></th>
<th>Riding sag (FC 350 EU)</th>
<th>Riding sag (FC 350 US)</th>
<th>Riding sag (FX 350)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>105 mm (4.13 in)</td>
<td>105 mm (4.13 in)</td>
<td>105 mm (4.13 in)</td>
</tr>
</tbody>
</table>

» If the riding sag differs from the specified measurement:
  - Adjust the riding sag. (p. 45)
10 TUNING THE CHASSIS

10.10 Adjusting the spring preload of the shock absorber

**Caution**

Risk of injury Parts of the shock absorber will move around if the shock absorber is detached incorrectly.

The shock absorber is filled with highly compressed nitrogen.

- Please follow the description provided. (Your authorized Husqvarna Motorcycles workshop will be glad to help.)

---

**Info**

Note the current adjustment before changing the spring preload - e.g. measure the spring length.

---

### Preparatory work
- Raise the motorcycle with a lift stand. (p. 51)
- Remove the shock absorber. (p. 61)
- After removing the shock absorber, clean it thoroughly.

### Main work
- Loosen screw 1.
- Turn adjusting ring 2 until the spring is no longer under tension.
- Measure the total spring length while the spring is not under tension.
- Tension the spring by turning adjusting ring 2 to specified dimension A.

**Guideline**

| Spring preload (FC 350 EU) | 8 mm (0.31 in) |
| Spring preload (FC 350 US) | 7 mm (0.28 in) |
| Spring preload (FX 350)    | 7 mm (0.28 in) |

**Info**

Depending on the static sag and/or the riding sag, it may be necessary to increase or decrease the spring preload.

- Tighten screw 1.

**Guideline**

| Screw, shock absorber adjusting ring | M5 | 5 Nm (3.7 lbf ft) |

### Finishing work
- Install the shock absorber. (p. 63)
- Check the free travel of the foot brake lever. (p. 94)
- Remove the motorcycle from the lift stand. (p. 51)
10.11 Adjusting the riding sag

Preparatory work
- Raise the motorcycle with a lift stand. (p. 51)
- Remove the shock absorber. (p. 61)
- After removing the shock absorber, clean it thoroughly.

Main work
- Choose and mount a suitable spring.

Guideline

<table>
<thead>
<tr>
<th>Spring rate (FC 350 EU)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight of rider: 65 ...</td>
<td>39 N/mm (223 lb/in)</td>
</tr>
<tr>
<td>75 kg (143 ... 165 lb.)</td>
<td></td>
</tr>
<tr>
<td>Weight of rider: 75 ...</td>
<td>42 N/mm (240 lb/in)</td>
</tr>
<tr>
<td>85 kg (165 ... 187 lb.)</td>
<td></td>
</tr>
<tr>
<td>Weight of rider: 85 ...</td>
<td>45 N/mm (257 lb/in)</td>
</tr>
<tr>
<td>95 kg (187 ... 209 lb.)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Spring rate (FC 350 US)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight of rider: 65 ...</td>
<td>39 N/mm (223 lb/in)</td>
</tr>
<tr>
<td>75 kg (143 ... 165 lb.)</td>
<td></td>
</tr>
<tr>
<td>Weight of rider: 75 ...</td>
<td>42 N/mm (240 lb/in)</td>
</tr>
<tr>
<td>85 kg (165 ... 187 lb.)</td>
<td></td>
</tr>
<tr>
<td>Weight of rider: 85 ...</td>
<td>45 N/mm (257 lb/in)</td>
</tr>
<tr>
<td>95 kg (187 ... 209 lb.)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Spring rate (FX 350)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight of rider: 65 ...</td>
<td>39 N/mm (223 lb/in)</td>
</tr>
<tr>
<td>75 kg (143 ... 165 lb.)</td>
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<td>85 kg (165 ... 187 lb.)</td>
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</tr>
<tr>
<td>Weight of rider: 85 ...</td>
<td>45 N/mm (257 lb/in)</td>
</tr>
<tr>
<td>95 kg (187 ... 209 lb.)</td>
<td></td>
</tr>
</tbody>
</table>

Info
- The spring rate is shown on the outside of the spring.

Finishing work
- Install the shock absorber. (p. 63)
- Check the free travel of the foot brake lever. (p. 94)
- Check the static sag of the shock absorber. (p. 43)
- Check the riding sag of the shock absorber. (p. 43)
- Adjust the rebound damping of the shock absorber. (p. 41)
- Remove the motorcycle from the lift stand. (p. 51)
10.12 Checking the basic setting of the fork

Info
For various reasons, no exact riding sag can be determined for the fork.

- Smaller differences in the rider’s weight can be compensated for by the fork air pressure.
- However, if the fork frequently bottoms out (hard end stop on compression), the fork air pressure must be increased, within the specified values, to avoid damage to the fork and frame.
- If the fork feels unusually hard after extended periods of operation, the fork legs need to be bled.

10.13 Adjusting the fork air pressure

Warning
Danger of accident  Modifications to the suspension setting may seriously alter the handling characteristic.
Extreme modifications to the suspension setting may cause a serious deterioration in the handling characteristic and overload components.
- Only make adjustments within the recommended range.
- Ride slowly to start with after making adjustments to get the feel of the new handling characteristic.

Info
Check or adjust the air pressure under the same conditions at the earliest 5 minutes after switching off the engine.
The air suspension is located in the left fork leg. The pressure and rebound damping is located in the right fork leg.

Preparatory work
- Raise the motorcycle with a lift stand. (p. 51)

Main work
- Remove protection cap 1.
- Push together fork airpump 2 fully.

Fork airpump (79412966100)

Info
The fork airpump is included as part of the motorcycle’s accessory pack.
- Connect the fork airpump to the left fork leg.
  ✓ The fork airpump indicator switches on automatically.
  ✓ A little air escapes from the fork leg when connecting.
This is due to the volume of the hose and not due to a defect in the fork airpump or the fork. Observe the accompanying instructions for Husqvarna Motorcycles accessories.

- Adjust the air pressure as specified.

**Guideline**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Air pressure (FC 350 EU)</td>
<td>10.4 bar (151 psi)</td>
</tr>
<tr>
<td>Air pressure (FC 350 US)</td>
<td>10.6 bar (154 psi)</td>
</tr>
<tr>
<td>Air pressure (FX 350)</td>
<td>9.8 bar (142 psi)</td>
</tr>
<tr>
<td>Gradual changing of the air pressure in steps of</td>
<td>0.2 bar (3 psi)</td>
</tr>
<tr>
<td>Minimum air pressure</td>
<td>7 bar (102 psi)</td>
</tr>
<tr>
<td>Maximum air pressure</td>
<td>12 bar (174 psi)</td>
</tr>
</tbody>
</table>

- Disconnect the fork airpump from the left fork leg.
  - When disconnecting, excess pressure will escape from the hose – the fork leg itself does not lose any air.
  - The fork airpump indicator switches off automatically after 80 seconds.

- Mount the protection cap.

**Info**

- Never adjust the air pressure to a value outside the stated range.

**Finishing work**

- Remove the motorcycle from the lift stand. (p. 51)

### 10.14 Adjusting the compression damping of the fork

**Info**

The hydraulic compression damping determines the fork suspension behavior.

- Turn adjuster 1 clockwise all the way.

**Info**

- Adjuster 1 is located at the upper end of the right fork leg.

- Turn counterclockwise by the number of clicks corresponding to the fork type.
### 10 Tuning the Chassis

<table>
<thead>
<tr>
<th>Guideline</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Compression damping (FC 350 EU)</strong></td>
</tr>
<tr>
<td>Comfort: 17 clicks</td>
</tr>
<tr>
<td>Standard: 12 clicks</td>
</tr>
<tr>
<td>Sport: 7 clicks</td>
</tr>
<tr>
<td><strong>Compression damping (FC 350 US)</strong></td>
</tr>
<tr>
<td>Comfort: 17 clicks</td>
</tr>
<tr>
<td>Standard: 12 clicks</td>
</tr>
<tr>
<td>Sport: 7 clicks</td>
</tr>
<tr>
<td><strong>Compression damping (FX 350)</strong></td>
</tr>
<tr>
<td>Comfort: 17 clicks</td>
</tr>
<tr>
<td>Standard: 12 clicks</td>
</tr>
<tr>
<td>Sport: 7 clicks</td>
</tr>
</tbody>
</table>

#### Info

Turn clockwise to increase damping; turn counterclockwise to reduce damping during compression.

### 10.15 Adjusting the rebound damping of the fork

#### Info

The hydraulic rebound damping determines the fork suspension behavior.

- Take off protection cap 1.
- Turn adjusting screw 2 clockwise all the way.

#### Info

Adjusting screw 2 is located at the lower end of the right fork leg.

- Turn counterclockwise by the number of clicks corresponding to the fork type.

<table>
<thead>
<tr>
<th>Guideline</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Rebound damping (FC 350 EU)</strong></td>
</tr>
<tr>
<td>Comfort: 17 clicks</td>
</tr>
<tr>
<td>Standard: 12 clicks</td>
</tr>
<tr>
<td>Sport: 7 clicks</td>
</tr>
<tr>
<td><strong>Rebound damping (FC 350 US)</strong></td>
</tr>
<tr>
<td>Comfort: 23 clicks</td>
</tr>
<tr>
<td>Standard: 18 clicks</td>
</tr>
<tr>
<td>Sport: 13 clicks</td>
</tr>
<tr>
<td><strong>Rebound damping (FX 350)</strong></td>
</tr>
<tr>
<td>Comfort: 23 clicks</td>
</tr>
<tr>
<td>Standard: 18 clicks</td>
</tr>
<tr>
<td>Sport: 13 clicks</td>
</tr>
</tbody>
</table>
10.16 Handlebar position

The holes on the handlebar supports are placed at a distance of A from the center.

| Hole distance A | 3.5 mm (0.138 in) |

The handlebar can be mounted in 2 different positions. This allows the handlebar to be mounted in the most comfortable position for the rider.

10.17 Adjusting the handlebar position

**Warning**  
**Danger of accidents**  
A repaired handlebar poses a safety risk.

If the handlebar is bent or straightened, the material becomes fatigued. The handlebar may break as a result.

- Change the handlebar if the handlebar is damaged or bent.

**Preparatory work**
- Remove the handlebar cushion.

**Main work**
- Remove screws 1. Take off the handlebar clamp. Remove the handlebar and lay it to one side.

**Info**
Cover the components to protect them against damage.  
Do not kink the cables and lines.

- Remove screws 2. Take off handlebar supports 3.
- Position rubber bushings 4 and push through nuts 5 from below.
- Place handlebar supports in required position.

**Info**
The handlebar supports are longer and higher on one side.  
Position the left and right handlebar supports evenly.

- Mount and tighten screws 2.
Guideline

Screw, handlebar support | M10 | 40 Nm (29.5 lbf ft) Loctite®243™

- Position the handlebar.

**Info**
Make sure the cables and wiring are positioned correctly.

- Position the handlebar clamp.
- Mount screws 1, but do not tighten yet.
- First bolt the handlebar clamp with screws 1 onto the longer, higher side of the handlebar supports so that both parts touch.
- Tighten screws 1 evenly.

Guideline

Screw, handlebar clamp | M8 | 20 Nm (14.8 lbf ft)

**Finishing work**
- Mount the handlebar cushion.
11.1 Raising the motorcycle with a lift stand

**Note**

**Material damage** The vehicle may be damaged by incorrect procedure when parking.

Significant damage may be caused if the vehicle rolls away or falls over.

The components for parking the vehicle are designed only for the weight of the vehicle.

- Park the vehicle on a firm and level surface.
- Ensure that nobody sits on the vehicle when the vehicle is parked on a stand.

- Raise the motorcycle at the frame underneath the engine.
  - Lift stand (81329955100)
  - Neither wheel is in contact with the ground.
  - Secure the motorcycle against falling over.

11.2 Removing the motorcycle from the lift stand

**Note**

**Material damage** The vehicle may be damaged by incorrect procedure when parking.

Significant damage may be caused if the vehicle rolls away or falls over.

The components for parking the vehicle are designed only for the weight of the vehicle.

- Park the vehicle on a firm and level surface.
- Ensure that nobody sits on the vehicle when the vehicle is parked on a stand.

(FC 350 EU, FC 350 US)

- Remove the motorcycle from the lift stand.
- Remove the lift stand.
- To park the motorcycle, insert plug-in stand 1 into the left side of the wheel spindle.
  - Plug-in stand (79029094000)

[Info]

The plug-in stand is included.

Remove the plug-in stand before riding.

(FX 350)

- Remove the motorcycle from the lift stand.
- Remove the lift stand.
- To park the motorcycle, press side stand 1 to the ground with your foot and lean the motorcycle on it.

[Info]

When you are riding, the side stand must be folded up and secured with rubber strap.
11.3 Bleeding the fork legs

**Preparatory work**
- Raise the motorcycle with a lift stand. (p. 51)

**Main work**
- Release bleeder screws 1.
  - Any excess pressure escapes from the interior of the fork.
- Tighten the bleeder screws.

**Finishing work**
- Remove the motorcycle from the lift stand. (p. 51)

11.4 Cleaning the dust boots of the fork legs

**Preparatory work**
- Raise the motorcycle with a lift stand. (p. 51)
- Remove the fork protector. (p. 53)

**Main work**
- Push dust boots 1 of both fork legs downward.

**Info**
The dust boots remove dust and coarse dirt particles from the inside fork tubes. Over time, dirt can accumulate behind the dust boots. If this dirt is not removed, the oil seals behind can start to leak.

**Warning**
**Danger of accidents**
- Oil or grease on the brake discs reduces the braking effect.
  - Always keep the brake discs free of oil and grease.
  - Clean the brake discs with brake cleaner when necessary.

- Clean and oil the dust boots and inner fork tubes of both fork legs.

**Universal oil spray** (p. 152)
- Press the dust boots back into their installation position.
- Remove excess oil.

**Finishing work**
- Install the fork protector. (p. 53)
- Remove the motorcycle from the lift stand. (p. 51)
11.5 Removing the fork protector

- Remove screws 1 and take off the clamp.
- Remove screws 2 and take off the left fork protector.
- Remove screws 3 and take off the right fork protector.

11.6 Installing the fork protector

- Position the fork protector on the left fork leg. Mount and tighten screws 1.

  Guideline
  | Remaining screws, chassis | M6  | 10 Nm (7.4 lbf ft) |

- Position the brake line and clamp. Mount and tighten screws 2.
- Position the fork protector on the right fork leg. Mount and tighten screws 3.

  Guideline
  | Remaining screws, chassis | M6  | 10 Nm (7.4 lbf ft) |

11.7 Removing the fork legs

Preparatory work
- Raise the motorcycle with a lift stand. (p. 51)
- Remove the front wheel. (p. 102)

Main work
- Remove screws 1 and take off the clamp.
- Remove screws 2 and take off the brake caliper.
- Allow the brake caliper and the brake line to hang loosely to the side.

  Info
  Do not actuate the hand brake lever when the front wheel is removed.
11 SERVICE WORK ON THE CHASSIS

11.8 Installing the fork legs

Main work

- Position the fork legs.
  - Air bleeder screw 1 of the right fork leg is positioned to the front.
  - Valve A of the left fork leg faces the front.

Info

Grooves are milled into the side of the upper end of the fork legs. The second milled groove (from the top) must be flush with the upper edge of the upper triple clamp. The air suspension is located in the left fork leg. The pressure and rebound damping is located in the right fork leg.

- Tighten screws 2.
  Guideline
  | Screw, top triple clamp | M8 | 17 Nm (12.5 lbf ft) |

- Tighten screws 3.
  Guideline
  | Screw, bottom triple clamp | M8 | 12 Nm (8.9 lbf ft) |

- Position the brake caliper. Mount and tighten screws 4.
  Guideline
  | Screw, front brake caliper | M8 | 25 Nm (18.4 lbf ft) Loctite® 243™ |

- Position the brake line and the clamp. Mount and tighten screws 5.

Finishing work

- Install the front wheel. (p. 103)
11.9 Removing the lower triple clamp

Preparatory work
- Raise the motorcycle with a lift stand. (p. 51)
- Remove the front wheel. (p. 102)
- Remove the fork legs. (p. 53)
- Remove the start number plate. (p. 60)
- Remove front fender. (p. 60)
- Remove the handlebar cushion.

Main work
- Remove indicator lamp holder.
- Open cable holder 1 on the left and detach the wiring harness.
- Remove screw 2.
- Remove screw 3.
- Remove the upper triple clamp with the handlebar and set aside.

Info
Cover the components to protect them against damage.
Do not kink the cables and lines.

- Remove O-ring 4.
- Remove protective ring 5.
- Remove the lower triple clamp with the steering stem.
- Remove the upper steering head bearing.
11.10 Installing the lower triple clamp

**Main work**
- Clean the bearing and sealing elements, check for damage, and grease.
  
  | High viscosity grease (p. 151) |
- Insert the lower triple clamp with the steering stem. Mount upper steering head bearing.
- Check whether upper steering head seal 1 is correctly positioned.
- Slide on protective ring 2 and O-ring 3.

- Position the upper triple clamp with the handlebar.
- Mount screw 4, but do not tighten yet.

- Position the fork legs.
  - Air bleeder screw 5 of the right fork leg is positioned to the front.
  - Valve A of the left fork leg faces the front.

**Info**
Grooves are milled into the side of the upper end of the fork legs. The second milled groove (from the top) must be flush with the upper edge of the upper triple clamp.
The air suspension is located in the left fork leg. The pressure and rebound damping is located in the right fork leg.
- Tighten screws 6.
  Guideline
  Screw, bottom triple clamp  \( \text{M8} \) 12 Nm (8.9 lbf ft)

- Tighten screw 4.
  Guideline
  Screw, top steering head  \( \text{M20x1.5} \) 12 Nm (8.9 lbf ft)

- Mount and tighten screw 7.
  Guideline
  Screw, top steering stem  \( \text{M8} \) 20 Nm (14.8 lbf ft) Loctite® 243™

- Using a plastic hammer, tap lightly on the upper triple clamp to avoid stresses.
- Tighten screws 8.
  Guideline
  Screw, top triple clamp  \( \text{M8} \) 17 Nm (12.5 lbf ft)
- Secure the wiring harness with cable holder 9 on the left.
- Mount indicator lamp holder.
  Guideline
  Screw, indicator lamp bracket  \( \text{M6} \) 5 Nm (3.7 lbf ft)

- Position the brake caliper. Mount and tighten screws 10.
  Guideline
  Screw, front brake caliper  \( \text{M8} \) 25 Nm (18.4 lbf ft) Loctite® 243™
- Position the brake line and the clamp. Mount and tighten screws 11.
11 SERVICE WORK ON THE CHASSIS

Finishing work
– Install front fender. (p. 61)
– Install the start number plate. (p. 60)
– Install the front wheel. (p. 103)
– Check that the wiring harness, throttle cables, and brake and clutch lines can move freely and are routed correctly.
– Check steering head bearing play. (p. 58)
– Remove the motorcycle from the lift stand. (p. 51)
– Mount the handlebar cushion.

11.11 Checking steering head bearing play

Warning
Danger of accidents Incorrect steering head bearing play impairs the handling characteristic and damages components.
– Correct incorrect steering head bearing play immediately. (Your authorized Husqvarna Motorcycles workshop will be glad to help.)

Info
If the vehicle is operated for a lengthy period with play in the steering head bearing, the bearings and the bearing seats in the frame can become damaged over time.

Preparatory work
– Raise the motorcycle with a lift stand. (p. 51)

Main work
– Move the handlebar to the straight-ahead position. Move the fork legs to and fro in the direction of travel.

Play should not be detectable on the steering head bearing.

» If there is detectable play:
  – Adjust steering head bearing play. (p. 59)
  – Move the handlebar to and fro over the entire steering range.

It must be possible to move the handlebar easily over the entire steering range. There should be no detectable detent positions.

» If detent positions are detected:
  – Adjust steering head bearing play. (p. 59)
  – Check the steering head bearing and adjust if necessary.

Finishing work
– Remove the motorcycle from the lift stand. (p. 51)
11.12 Adjusting steering head bearing play

Preparatory work
– Raise the motorcycle with a lift stand. (p. 51)
– Remove the handlebar cushion.

Main work
– Loosen screws 1.
– Remove screw 2.
– Loosen and retighten screw 3.

Guideline
Screw, top steering head
M20x1.5
12 Nm (8.9 lbf ft)

– Using a plastic hammer, tap lightly on the upper triple clamp to avoid stresses.
– Mount and tighten screw 2.

Guideline
Screw, top steering stem
M8
20 Nm (14.8 lbf ft) Loctite® 243™

– Tighten screws 1.

Guideline
Screw, top triple clamp
M8
17 Nm (12.5 lbf ft)

– Check steering head bearing play. (p. 58)

Finishing work
– Mount the handlebar cushion.
– Remove the motorcycle from the lift stand. (p. 51)

11.13 Lubricating the steering head bearing

– Remove the lower triple clamp. (p. 55)
– Install the lower triple clamp. (p. 56)

Info
The steering head bearing is cleaned and lubricated in the course of removal and installation of the lower triple clamp.
11.14 Removing the start number plate

- Remove screw ①. Swivel the start number plate to one side.
- Remove screw ② and take off the brake line guide and start number plate.

11.15 Installing the start number plate

- Position the brake line and brake line guide on the start number plate.
- Mount and tighten screw ①.
- Position the start number plate.
  ✓ The holding lugs engage in the fender.
- Mount and tighten screw ②.

11.16 Removing front fender

**Preparatory work**
- Remove the start number plate. (p. 60)

**Main work**
- Remove screws ① and ②. Remove front fender.
11.17 Installing front fender

Main work
- Position front fender. Mount and tighten screws 1 and 2.

Guideline

| Remaining screws, chassis | M6   | 10 Nm (7.4 lbf ft) |

Finishing work
- Install the start number plate. (p. 60)

11.18 Removing the shock absorber

Preparatory work
- Raise the motorcycle with a lift stand. (p. 51)

Main work
- Remove the cable ties.
- Remove screws 1 with the washers.
- Detach the frame protector in area A and take it off.

- Remove screw 2.
- Remove fitting 3.

Info
- Raise the swingarm slightly to be able to remove the screws more easily.
– Press angle lever 4 toward the rear.
– Press linkage lever 5 downward.

(FC 350 EU, FC 350 US)
– Remove screws 6.
– Pull off foot brake cylinder from the push rod.

(FX 350)
– Remove screws 6.
– Pull off foot brake cylinder from the push rod.

– Remove the connecting link of the chain.
– Take off the chain.

Info
Cover the components to protect them against damage.

– Remove nut 7 and pull out the swingarm pivot.
– Pull the link fork to the rear and secure it against falling over.
11.19 Installing the shock absorber

**Main work**
- Carefully position the shock absorber into the vehicle from the bottom.
- Mount and tighten screw ①.

**Guideline**
<table>
<thead>
<tr>
<th>Screw, top shock absorber</th>
<th>M10</th>
<th>60 Nm (44.3 lbf ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loctite®2701™</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Position the link fork and mount the swingarm pivot.

**Info**
Pay attention to flat area A.
- Mount and tighten nut ②.

**Guideline**
| Nut, fork pivot | M16x1.5 | 100 Nm (73.8 lbf ft) |

- Mount the chain.
- Connect the chain with connecting link ③.

**Guideline**
The closed side of the chain joint lock must face in the direction of travel.
(FC 350 EU, FC 350 US)
- Position the foot brake cylinder.
  ✔ Push rod 4 engages in the foot brake cylinder.

**Info**
Ensure that the dust boot is correctly seated.

- Mount and tighten screws 5.

**Guideline**

| Remaining screws, chassis | M6 | 10 Nm (7.4 lbf ft) |

(FX 350)
- Position the foot brake cylinder.
  ✔ Push rod 4 engages in the foot brake cylinder.

**Info**
Ensure that the dust boot is correctly seated.

- Mount and tighten screws 5.

**Guideline**

| Remaining screws, chassis | M6 | 10 Nm (7.4 lbf ft) |

- Position the angle lever and linkage lever.
- Mount and tighten fitting 6.

**Guideline**

| Nut, linkage lever on angle lever | M14x1.5 | 60 Nm (44.3 lbf ft) |

**Info**
Pay attention to flat area B.

- Mount and tighten screw 7.

**Guideline**

| Screw, bottom shock absorber | M10 | 60 Nm (44.3 lbf ft) |

**Info**

- Raise the swingarm slightly to be able to mount the screw more easily.

- Attach frame protector in area C and position.
- Mount and tighten screws 6 with the washers.

**Guideline**

| Screw, frame protector | M5 | 3 Nm (2.2 lbf ft) |

- Mount the new cable ties.
Finishing work
– Check the free travel of the foot brake lever. (p. 94)
– Remove the motorcycle from the lift stand. (p. 51)

11.20 Removing the seat

**Caution**

**Danger of burns** The voltage regulator gets very hot when the vehicle is driven.
– Allow the voltage regulator to cool down before performing any work.

**Preparatory work**
– Remove the air filter box cover. (p. 66)

**Main work**
– Remove screw 1.

– Raise the rear of the seat, pull the seat back, and lift it off.

11.21 Mounting the seat

**Main work**
– Mount the front of the seat on the collar bushing of the fuel tank and the rear in the bracket.
– Push the seat forward.
– Make sure that the seat is locked in correctly.
11 SERVICE WORK ON THE CHASSIS

11.22 Removing the air filter box cover

- Pull off the air filter box cover sideways in areas A, B and C and take off toward the rear.

11.23 Installing the air filter box cover

(FC 350 EU, FC 350 US)
- Attach catch 1 of the air filter box in area A and push forward.

Info
An air filter box cover with openings for greater airflow and a more direct response is included.

(FX 350)
- Attach catch 1 of the air filter box in area A and push forward.
- Engage the air filter box cover in areas B, C and D.
### 11.24 Removing the air filter

**Note**

**Engine damage**  Unfiltered intake air has a negative effect on the service life of the engine.
Dust and dirt will enter the engine without an air filter.
- Never start to use the vehicle without an air filter.

**Note**

**Environmental hazard**  Hazardous substances cause environmental damage.
- Dispose of oils, grease, filters, fuel, cleaning agents, brake fluid, etc., correctly and in compliance with the applicable regulations.

---

**Preparatory work**
- Remove the air filter box cover. (p. 66)

**Main work**
- Detach retaining tab 1.
- Remove air filter with air filter support.
- Remove air filter from air filter support.

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### 11.25 Installing the air filter

**Main work**
- Mount the clean air filter on the air filter support.
- Grease the air filter in area A.

**Info**
If the air filter is not mounted correctly, dust and dirt may enter the engine and result in damage.

- Insert air filter and position retaining pin 1 in bushing B.
  - The air filter is correctly positioned.
- Insert retaining tab 2.
  - Retaining pin 3 is secured by retaining tab 2.

**Finishing work**
- Install the air filter box cover. (p. 66)
11.26 Cleaning the air filter and air filter box

**Note**

**Environmental hazard**  Hazardous substances cause environmental damage.
- Dispose of oils, grease, filters, fuel, cleaning agents, brake fluid, etc., correctly and in compliance with the applicable regulations.

**Info**

Do not clean the air filter with fuel or petroleum since these substances attack the foam.

**Preparatory work**
- Remove the air filter box cover. (p. 66)
- Remove the air filter. (p. 67)

**Main work**
- Wash the air filter thoroughly in special cleaning liquid and allow it to dry properly.
  
  **Air filter cleaner** (p. 151)
  
  **Info**
  Only press the air filter to dry it, never wring it out.
  - Oil the dry air filter with a high-grade air filter oil.
  **Oil for foam air filter** (p. 151)
  - Clean the air filter box.
  - Clean the intake flange and check it for damage and tightness.

**Finishing work**
- Install the air filter. (p. 67)
- Install the air filter box cover. (p. 66)

11.27 Removing the silencer

**Warning**

**Danger of burns**  The exhaust system gets very hot when the vehicle is driven.
- Allow the exhaust system to cool down before performing any work on the vehicle.

- Detach spring 1.
  **Spring hook** (50305017000C1)
11.28 Installing the silencer

- Position the silencer.
- Mount screws 1 with the washers, but do not tighten yet.

11.29 Changing the glass fiber yarn filling of the main silencer

**Warning**

**Danger of burns**  The exhaust system gets very hot when the vehicle is driven.
- Allow the exhaust system to cool down before performing any work on the vehicle.

**Info**

Over time, the fibers of the glass fiber yarn escape and the damper “burns” out.
Not only is the noise level higher, the performance characteristic changes.

**Preparatory work**
- Remove the silencer. (p. 68)
11 SERVICE WORK ON THE CHASSIS

Main work
– Remove all the screws on the silencer cap.
– Take off silencer cap 1 and O-ring 2.
– Pull glass fiber yarn filling 3 out of the silencer cap.
– Pull glass fiber yarn filling 4 from the inner tube.
– Clean the parts that need to be reinstalled and check for damage.
– Mount new glass fiber yarn filling 4 on the inner tube.
– Position new glass fiber yarn filling 3 in the silencer cap.
– Insert O-ring and silencer cap into outer tube 5.
– Mount all screws on the silencer cap and tighten.

Guideline

<table>
<thead>
<tr>
<th>Screws on main silencer</th>
<th>M5</th>
<th>7 Nm (5.2 lbf ft)</th>
</tr>
</thead>
</table>

Finishing work
– Install the silencer. (p. 69)

11.30 Removing the right side cover

Preparatory work
– Remove the air filter box cover. (p. 66)
– Remove the seat. (p. 65)

Main work
– Detach side cover in area A, pull off sideways in area B and take off toward the rear.
11.31 Installing the right side cover

Main work
- Attach side cover with the holding lugs A from below and push upward.
- Engage the side cover in areas B and C.

Finishing work
- Mount the seat. (p. 65)
- Install the air filter box cover. (p. 66)

11.32 Removing the fuel tank

Danger
Fire hazard Fuel is highly flammable.
The fuel in the fuel tank expands when warm and can escape if overfilled.
- Do not fuel the vehicle in the vicinity of open flames or lit cigarettes.
- Switch off the engine for refueling.
- Make sure that no fuel is spilled; particularly not on hot parts of the vehicle.
- If any fuel is spilled, wipe it off immediately.
- Observe the specifications for refueling.

Warning
Danger of poisoning Fuel is poisonous and a health hazard.
- Avoid skin, eye and clothing contact with fuel.
- Immediately consult a doctor if you swallow fuel.
- Do not inhale fuel vapors.
- In case of skin contact, rinse the affected area with plenty of water.
- Rinse the eyes thoroughly with water, and consult a doctor in case of fuel contact with the eyes.
- Change your clothing in case of fuel spills on them.
- Keep fuels correctly in a suitable canister, and out of the reach of children.

Preparatory work
- Remove the air filter box cover. (p. 66)
– Remove the seat. (p. 65)
– Remove the right side cover. (p. 70)

**Main work**
**(FC 350 EU, FC 350 US)**

– Unplug connector 1 of the fuel pump.
– Clean quick release coupling 2 thoroughly with compressed air.

**Info**
Under no circumstances should dirt enter into the fuel line. Dirt in the fuel line clogs the injection valve!

– Disconnect the quick release coupling.

**Info**
Remaining fuel may flow out of the fuel hose.

– Mount wash cap set A.

Wash cap set (81212016100)

– Pull the fuel tank breather hose off the fuel tank lid.

– Remove screws 3.

– Remove screw 4 with the rubber bushing.

**FX 350**

– Unplug connector 1 of the fuel pump.
– Clean quick release coupling 2 thoroughly with compressed air.

**Info**
Under no circumstances should dirt enter into the fuel line. Dirt in the fuel line clogs the injection valve!
– Disconnect the quick release coupling.

**Info**

Remaining fuel may flow out of the fuel hose.

– Mount wash cap set A.

| Wash cap set (81212016100) |

– Pull the fuel tank breather hose off the fuel tank lid.

– Remove screws 3.

– Remove screw 4 with the rubber bushing.

– Pull both spoilers laterally off the radiator and lift off the fuel tank.

### 11.33 Installing the fuel tank 🛠️

**Danger**

**Fire hazard** Fuel is highly flammable.

- The fuel in the fuel tank expands when warm and can escape if overfilled.
- Do not fuel the vehicle in the vicinity of open flames or lit cigarettes.
- Switch off the engine for refueling.
- Make sure that no fuel is spilled; particularly not on hot parts of the vehicle.
- If any fuel is spilled, wipe it off immediately.
- Observe the specifications for refueling.
**Warning**

**Danger of poisoning**  Fuel is poisonous and a health hazard.

- Avoid skin, eye and clothing contact with fuel.
- Immediately consult a doctor if you swallow fuel.
- Do not inhale fuel vapors.
- In case of skin contact, rinse the affected area with plenty of water.
- Rinse the eyes thoroughly with water, and consult a doctor in case of fuel contact with the eyes.
- Change your clothing in case of fuel spills on them.

---

**Main work**

- Check throttle cable routing. (p. 81)
- Position the fuel tank and fit the two spoilers laterally to the radiator.
- Make sure that no cables or throttle cables are trapped or damaged.

---

**(FC 350 EU, FC 350 US)**

- Attach the fuel tank breather hose to the fuel tank lid.
- Mount and tighten screw 1 with the rubber bushing.  
  **Guideline**

<table>
<thead>
<tr>
<th>Remaining screws, chassis</th>
<th>M6</th>
<th>10 Nm (7.4 lbf ft)</th>
</tr>
</thead>
</table>

- Mount and tighten screws 2.
  **Guideline**

<table>
<thead>
<tr>
<th>Remaining screws, chassis</th>
<th>M6</th>
<th>10 Nm (7.4 lbf ft)</th>
</tr>
</thead>
</table>

- Plug in connector 3 for the fuel pump.
- Remove the wash cap set and thoroughly clean the quick release coupling using compressed air.

---

**Info**

Under no circumstances should dirt enter into the fuel line. Dirt in the fuel line clogs the injection valve!

- Spray silicone spray onto a lint-free cleaning cloth and lightly lubricate the O-ring of the quick-release coupling.
SERVICE WORK ON THE CHASSIS

Silicone spray (p. 152)

- Join quick release coupling 4.

Info

Route the cable and fuel line at a safe distance from the exhaust system.

(FX 350)

- Attatch the fuel tank breather hose to the fuel tank lid.
- Mount and tighten screw 1 with the rubber bushing.

Guideline

<table>
<thead>
<tr>
<th>Remaining screws, chassis</th>
<th>M6</th>
<th>10 Nm (7.4 lbf ft)</th>
</tr>
</thead>
</table>

- Mount and tighten screws 2.

Guideline

<table>
<thead>
<tr>
<th>Remaining screws, chassis</th>
<th>M6</th>
<th>10 Nm (7.4 lbf ft)</th>
</tr>
</thead>
</table>

- Plug in connector 3 for the fuel pump.
- Remove the wash cap set and thoroughly clean the quick release coupling using compressed air.

Info

Under no circumstances should dirt enter into the fuel line. Dirt in the fuel line clogs the injection valve!

- Spray silicone spray onto a lint-free cleaning cloth and lightly lubricate the O-ring of the quick-release coupling.

Silicone spray (p. 152)

- Join quick release coupling 4.

Info

Route the cable and fuel line at a safe distance from the exhaust system.

Finishing work

- Install the right side cover. (p. 71)
- Mount the seat. (p. 65)
- Install the air filter box cover. (p. 66)
11.34 Checking for chain dirt accumulation

- Check the chain for coarse dirt accumulation.
  » If the chain is very dirty:
    - Clean the chain. ( p. 76)

11.35 Cleaning the chain

**Warning**

**Danger of accidents**  Lubricants on the tires reduces the road grip.
- Remove lubricants from the tires using a suitable cleaning agent.

**Warning**

**Danger of accidents**  Oil or grease on the brake discs reduces the braking effect.
- Always keep the brake discs free of oil and grease.
- Clean the brake discs with brake cleaner when necessary.

**Note**

**Environmental hazard**  Hazardous substances cause environmental damage.
- Dispose of oils, grease, filters, fuel, cleaning agents, brake fluid, etc., correctly and in compliance with the applicable regulations.

**Info**

The service life of the chain depends largely on its maintenance.

**Preparatory work**
- Raise the motorcycle with a lift stand. ( p. 51)

**Main work**
- Rinse off loose dirt with a soft jet of water.
- Remove old grease residue with chain cleaner.

<table>
<thead>
<tr>
<th>Chain cleaner ( p. 151)</th>
</tr>
</thead>
</table>

- After drying, apply chain spray.

<table>
<thead>
<tr>
<th>Off-road chain spray ( p. 151)</th>
</tr>
</thead>
</table>

**Finishing work**
- Remove the motorcycle from the lift stand. ( p. 51)
11.36 Checking the chain tension

**Warning**

**Danger of accidents** Incorrect chain tension damages components and results in accidents.

- If the chain is tensioned too much, the chain, engine sprocket, rear sprocket, transmission and rear wheel bearings wear more quickly. Some components may break if overloaded.
- If the chain is too loose, the chain may fall off the engine sprocket or the rear sprocket. As a result, the rear wheel locks or the engine will be damaged.

- Check the chain tension regularly.
- Set the chain tension in accordance with the specification.

**Preparatory work**

- Raise the motorcycle with a lift stand. (p. 51)

**Main work**

- Pull the chain at the end of the chain sliding piece upward to measure chain tension A.

**Info**

Lower chain section 1 must be taut.
Chain wear is not always even, so you should repeat this measurement at different chain positions.

| Chain tension | 55 ... 58 mm (2.17 ... 2.28 in) |

» If the chain tension does not meet the specification:

- Adjust the chain tension. (p. 77)

**Finishing work**

- Remove the motorcycle from the lift stand. (p. 51)

11.37 Adjusting the chain tension

**Warning**

**Danger of accidents** Incorrect chain tension damages components and results in accidents.

- If the chain is tensioned too much, the chain, engine sprocket, rear sprocket, transmission and rear wheel bearings wear more quickly. Some components may break if overloaded.
- If the chain is too loose, the chain may fall off the engine sprocket or the rear sprocket. As a result, the rear wheel locks or the engine will be damaged.

- Check the chain tension regularly.
- Set the chain tension in accordance with the specification.

**Preparatory work**

- Raise the motorcycle with a lift stand. (p. 51)
- Check the chain tension. (p. 77)
11 SERVICE WORK ON THE CHASSIS

11.38 Checking the chain, rear sprocket, engine sprocket, and chain guide

Preparatory work
– Raise the motorcycle with a lift stand. (p. 51)

Main work
– Shift the transmission to the neutral position.
– Check the chain, rear sprocket and engine sprocket for wear.
  » If the chain, rear sprocket or engine sprocket is worn:
    – Change the drivetrain kit.

Info
The engine sprocket, rear sprocket and chain should always be replaced together.
- Pull on the top section of the chain with the specified weight A.

Guideline

Weight, chain wear measurement | 10 … 15 kg (22 … 33 lb.)

- Measure distance B of 18 chain rollers in the lower chain section.

Info

Chain wear is not always even, so you should repeat this measurement at different chain positions.

| Maximum distance B from 18 chain rollers at the longest chain section | 272 mm (10.71 in) |

- If distance B is greater than the specified measurement:
  - Change the drivetrain kit.

Info

When a new chain is mounted, the rear sprocket and engine sprocket should also be changed. New chains wear out faster on an old, worn rear sprocket or engine sprocket.

- Check the chain sliding guard for wear.
  - If the lower edge of the chain pins is in line with, or below, the chain sliding guard:
    - Change the chain sliding guard.
  - Check that the chain sliding guard is firmly seated.
  - If the chain sliding guard is loose:
    - Tighten the screws on the chain sliding guard.

Guideline

| Screw, chain sliding guard | M6 | 6 Nm (4.4 lbf ft) | Loctite® 243™ |
11 SERVICE WORK ON THE CHASSIS

Check the chain sliding piece for wear.
» If the lower edge of the chain pins is in line with or below
the chain sliding piece:
– Change the chain sliding piece.
– Check that the chain sliding piece is firmly seated.
» If the chain sliding piece is loose:
– Tighten the screw on the chain sliding piece.

<table>
<thead>
<tr>
<th>Guideline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screw, chain sliding piece</td>
</tr>
<tr>
<td>M8</td>
</tr>
<tr>
<td>15 Nm (11.1 lbf ft)</td>
</tr>
</tbody>
</table>

Check the chain guide with a slide gauge for dimension C.

Minimum thickness C of the chain guide: 6 mm (0.24 in)
» If the measured value is less than the specification:
– Change the chain guide.

Check that the chain guide is firmly seated.
» If the chain guide is loose:
– Tighten the screws on the chain guide.

<table>
<thead>
<tr>
<th>Guideline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remaining screws, chassis</td>
</tr>
<tr>
<td>M6</td>
</tr>
<tr>
<td>10 Nm (7.4 lbf ft)</td>
</tr>
</tbody>
</table>

Finishing work
– Remove the motorcycle from the lift stand. (p. 51)
11.39 Checking the frame

- Check the frame for cracks and deformation.
  » If the frame exhibits cracks or deformation due to a mechanical impact:
    - Change the frame.

**Info**
Always replace a frame that has been damaged due to a mechanical impact. Repair of the frame is not authorized by Husqvarna Motorcycles.

11.40 Checking the link fork

- Check the link fork for damage, cracking, and deformation.
  » If the link fork exhibits damage, cracking, or deformation:
    - Change the link fork.

**Info**
Always replace a damaged link fork. Repair of the link fork is not authorized by Husqvarna Motorcycles.

11.41 Checking throttle cable routing

**Preparatory work**
- Remove the air filter box cover. (p. 66)
- Remove the seat. (p. 65)
- Remove the right side cover. (p. 70)
- Remove the fuel tank. (p. 71)
Main work

– Check throttle cable routing.

Both throttle cables must be routed, side by side, on the back of the handlebars and above the fuel tank bracket, to the throttle valve body. Both throttle cables must be secured behind the rubber strap of the fuel tank support.

» If the throttle cable routing is not as specified:
  – Correct the throttle cable routing.

Finishing work

– Install the fuel tank. (p. 73)
– Install the right side cover. (p. 71)
– Mount the seat. (p. 65)
– Install the air filter box cover. (p. 66)

11.42 Checking the rubber grips

– Check the rubber grips on the handlebar for damage, wear, and looseness.

Info

The rubber grips are vulcanized onto a sleeve on the left and onto the handle tube of the throttle grip on the right. The left sleeve is clamped onto the handlebar. The rubber grip can only be replaced with the sleeve or the throttle tube.

» If a rubber grip is damaged or worn:
  – Change the rubber grip.

– Check that screw 1 is firmly seated.

Guideline

<table>
<thead>
<tr>
<th>Screw, fixed grip</th>
<th>M4</th>
<th>5 Nm (3.7 lbf ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loctite® 243™</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The diamond A must be located at the top.
11.43 Adjusting the basic position of the clutch lever

- Adjust the basic position of the clutch lever to your hand size by turning adjusting screw 1.

**Info**
- When the adjusting screw is turned counterclockwise, the clutch lever moves away from the handlebar.
- When the adjusting screw is turned clockwise, the clutch lever moves closer to the handlebar.
- The range of adjustment is limited.
- Only turn the adjusting screw by hand, and do not use force.
- Do not make any adjustments while riding.

11.44 Checking/correcting the fluid level of the hydraulic clutch

**Warning**

**Skin irritation** Brake fluid causes skin irritation.
- Keep brake fluid out of the reach of children.
- Wear suitable protective clothing and safety glasses.
- Do not allow brake fluid to come into contact with the skin, the eyes or clothing.
- Consult a doctor immediately if brake fluid has been swallowed.
- Rinse the affected area with plenty of water in the event of contact with the skin.
- Rinse eyes thoroughly with water immediately and consult a doctor if brake fluid comes into contact with the eyes.
- If brake fluid spills on to your clothing, change the clothing.

**Info**
- The fluid level rises with increasing wear of the clutch facing discs.
- Never use DOT 5 brake fluid. It is silicone-based and purple in color. Oil seals and clutch lines are not designed for DOT 5 brake fluid.
- Avoid contact between brake fluid and painted parts. Brake fluid attacks paint.
- Only use clean brake fluid from a sealed container.

- Move the clutch fluid reservoir mounted on the handlebar to a horizontal position.
- Remove screws 1.
- Take off cover 2 with membrane 3.
- Check the fluid level.

| Fluid level below container rim | 4 mm (0.16 in) |

- If the fluid level does not meet specifications:
  - Correct the fluid level of the hydraulic clutch.

  **Brake fluid DOT 4 / DOT 5.1 (p. 149)**

- Position the cover with the membrane. Mount and tighten the screws.
11.45 Changing the hydraulic clutch fluid

**Warning**

**Skin irritation** Brake fluid causes skin irritation.
- Keep brake fluid out of the reach of children.
- Wear suitable protective clothing and safety glasses.
- Do not allow brake fluid to come into contact with the skin, the eyes or clothing.
- Consult a doctor immediately if brake fluid has been swallowed.
- Rinse the affected area with plenty of water in the event of contact with the skin.
- Rinse eyes thoroughly with water immediately and consult a doctor if brake fluid comes into contact with the eyes.
- If brake fluid spills on to your clothing, change the clothing.

**Note**

**Environmental hazard** Hazardous substances cause environmental damage.
- Dispose of oils, grease, filters, fuel, cleaning agents, brake fluid, etc., correctly and in compliance with the applicable regulations.

- Move the hydraulic clutch fluid reservoir mounted on the handlebar into a horizontal position.
- Remove screws 1.
- Take off cover 2 with membrane 3.

(FC 350 EU, FC 350 US)
- Fill bleeding syringe 4 with the appropriate hydraulic fluid.
- On the clutch slave cylinder, remove the protection cap and mount bleeding syringe 4 with an appropriate hose piece on bleeder screw 5.
- Only loosen bleeder screw 5 on the clutch slave cylinder until filling is possible.

**Info**

- Use water to immediately clean up any brake fluid that has overflowed or spilled. Avoid contact between brake fluid and painted parts. Brake fluid attacks paint. Only use clean brake fluid from a sealed container.
(FX 350)

- Fill bleeding syringe 4 with the appropriate hydraulic fluid.

<table>
<thead>
<tr>
<th>Syringe (50329050000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brake fluid DOT 4 / DOT 5.1 ((\text{p. 149}))</td>
</tr>
</tbody>
</table>

- On the clutch slave cylinder, remove the protection cap and mount bleeding syringe 4 with an appropriate hose piece on bleeder screw 5.
- Only loosen bleeder screw 5 on the clutch slave cylinder until filling is possible.

**Info**

Use water to immediately clean up any brake fluid that has overflowed or spilled. Avoid contact between brake fluid and painted parts. Brake fluid attacks paint. Only use clean brake fluid from a sealed container.

- Now press the fluid into the system until it emerges from hole 6 of the master cylinder without bubbles.
- Occasionally extract the fluid from the master cylinder reservoir to prevent overflowing.
- Tighten the bleeder screw and remove the bleeding syringe with the hose. Mount the protection cap.
- Correct the fluid level of the hydraulic clutch.

**Guideline**

<table>
<thead>
<tr>
<th>Fluid level below container rim</th>
<th>4 mm (0.16 in)</th>
</tr>
</thead>
</table>

- Position the cover with the membrane. Mount and tighten the screws.
12.1 Checking the free travel of the hand brake lever (FC 350 EU, FC 350 US)

**Warning**

**Danger of accidents** The brake system fails in the event of overheating.

If there is no free travel on the hand brake lever, pressure builds up on the front brake circuit.

– Set the free travel on the hand brake lever in accordance with the specification.

- Push the hand brake lever forward and check free travel A.

| Free travel of hand brake lever | ≥ 3 mm (≥ 0.12 in) |

- If the free travel does not match the specification:
  - Adjust the basic position of the hand brake lever. (p. 86)

12.2 Adjusting the basic position of the hand brake lever

(FC 350 EU, FC 350 US)

– Adjust the basic position of the hand brake lever to your hand size by turning adjusting screw 1.

**Info**

Turn the adjusting screw clockwise to increase the distance between the hand brake lever and the handlebar.

Turn the adjusting screw counterclockwise to decrease the distance between the hand brake lever and the handlebar.

The range of adjustment is limited.

Only turn the adjusting screw by hand, and do not use force.

Do not make any adjustments while riding.

(FX 350)

– Adjust the basic position of the hand brake lever to your hand size by turning adjusting screw 1.

**Info**

Turn the adjusting screw clockwise to decrease the distance between the hand brake lever and the handlebar.

Turn the adjusting screw counterclockwise to increase the distance between the hand brake lever and the handlebar.

The range of adjustment is limited.

Only turn the adjusting screw by hand, and do not use force.

Do not make any adjustments while riding.
12.3 Checking the brake discs

**Warning**

**Danger of accidents**  Worn-out brake discs reduce the braking effect.

- Make sure that worn-out brake discs are replaced immediately. (Your authorized Husqvarna Motorcycles workshop will be glad to help.)

- Check the front and rear brake disc thickness at multiple points for the dimension A.

**Info**

Wear reduces the thickness of the brake disc around the contact surface of the brake linings.

<table>
<thead>
<tr>
<th>Brake discs - wear limit</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>front</td>
<td>2.5 mm</td>
</tr>
<tr>
<td></td>
<td>(0.098 in)</td>
</tr>
<tr>
<td>rear</td>
<td>3.5 mm</td>
</tr>
<tr>
<td></td>
<td>(0.138 in)</td>
</tr>
</tbody>
</table>

- If the brake disc thickness is less than the specification:
  - Change the front brake disc.
  - Change the rear brake disc.

- Check the front and rear brake discs for damage, cracking, and deformation.

- If the brake disc exhibits damage, cracking, or deformation:
  - Change the front brake disc.
  - Change the rear brake disc.

12.4 Checking the front brake fluid level

**Warning**

**Danger of accidents**  An insufficient brake fluid level will cause the brake system to fail.

If the brake fluid level drops below the specified marking or the specified value, the brake system is leaking or the brake linings are worn down.

- Check the brake system and do not continue riding until the problem is eliminated. (Your authorized Husqvarna Motorcycles workshop will be glad to help.)

**Warning**

**Danger of accidents**  Old brake fluid reduces the braking effect.

- Make sure that brake fluid for the front and rear brake is changed in accordance with the service schedule. (Your authorized Husqvarna Motorcycles workshop will be glad to help.)

**Preparatory work**

- Check the front brake linings. (p. 90)
Main work
(FC 350 EU, FC 350 US)
– Move the brake reservoir mounted on the handlebar to a horizontal position.
– Check the brake fluid level in level viewer ı.
  » If the brake fluid level has dropped below the marking A:
    – Add front brake fluid. (p. 88)

(FX 350)
– Move the brake reservoir mounted on the handlebar to a horizontal position.
– Check the brake fluid level in level viewer ı.
  » If the brake fluid level has dropped below the marking A:
    – Add front brake fluid. (p. 88)

12.5 Adding front brake fluid

Warning
Danger of accidents  An insufficient brake fluid level will cause the brake system to fail. If the brake fluid level drops below the specified marking or the specified value, the brake system is leaking or the brake linings are worn down.
– Check the brake system and do not continue riding until the problem is eliminated. (Your authorized Husqvarna Motorcycles workshop will be glad to help.)

Warning
Skin irritation  Brake fluid causes skin irritation.
– Keep brake fluid out of the reach of children.
– Wear suitable protective clothing and safety glasses.
– Do not allow brake fluid to come into contact with the skin, the eyes or clothing.
– Consult a doctor immediately if brake fluid has been swallowed.
– Rinse the affected area with plenty of water in the event of contact with the skin.
– Rinse eyes thoroughly with water immediately and consult a doctor if brake fluid comes into contact with the eyes.
– If brake fluid spills on to your clothing, change the clothing.

Warning
Danger of accidents  Old brake fluid reduces the braking effect.
– Make sure that brake fluid for the front and rear brake is changed in accordance with the service schedule. (Your authorized Husqvarna Motorcycles workshop will be glad to help.)

Note
Environmental hazard  Hazardous substances cause environmental damage.
– Dispose of oils, grease, filters, fuel, cleaning agents, brake fluid, etc., correctly and in compliance with the applicable regulations.
Info
Never use DOT 5 brake fluid. It is silicone-based and purple in color. Oil seals and brake lines are not designed for DOT 5 brake fluid. Avoid contact between brake fluid and painted parts. Brake fluid attacks paint. Only use clean brake fluid from a sealed container.

Preparatory work
– Check the front brake linings. (p. 90)

Main work
(FC 350 EU, FC 350 US)
– Move the brake reservoir mounted on the handlebar to a horizontal position.
– Remove screws 1.
– Take off cover 2 with membrane 3.
– Add brake fluid to level A.

Guideline

<table>
<thead>
<tr>
<th>Level A (brake fluid level below reservoir rim)</th>
<th>5 mm (0.2 in)</th>
</tr>
</thead>
</table>

Brake fluid DOT 4 / DOT 5.1 (p. 149)
– Position the cover with the membrane. Mount and tighten the screws.

Info
Clean up overflowed or spilled brake fluid immediately with water.

(FX 350)
– Move the brake reservoir mounted on the handlebar to a horizontal position.
– Remove screws 1.
– Take off cover 2 with membrane 3.
– Add brake fluid to level A.

Guideline

<table>
<thead>
<tr>
<th>Level A (brake fluid level below reservoir rim)</th>
<th>5 mm (0.2 in)</th>
</tr>
</thead>
</table>

Brake fluid DOT 4 / DOT 5.1 (p. 149)
– Position the cover with the membrane. Mount and tighten the screws.

Info
Clean up overflowed or spilled brake fluid immediately with water.
12.6 Checking the front brake linings

**Warning**

**Danger of accidents**  Worn-out brake linings reduce the braking effect.

– Ensure that worn-out brake linings are replaced immediately. (Your authorized Husqvarna Motorcycles workshop will be glad to help.)

**FC 350 EU, FC 350 US**

- Check the brake linings for minimum thickness A.

  Minimum thickness A \( \geq 1 \text{ mm} \ (\geq 0.04 \text{ in}) \)

  » If the minimum thickness is less than specified:
    - Change the brake linings of the front brake. (p. 90)

  » Check the brake linings for damage and cracking.
    - If damage or wear is encountered:
      - Change the brake linings of the front brake. (p. 90)

**FX 350**

- Check the brake linings for minimum thickness A.

  Minimum thickness A \( \geq 1 \text{ mm} \ (\geq 0.04 \text{ in}) \)

  » If the minimum thickness is less than specified:
    - Change the brake linings of the front brake. (p. 90)

  » Check the brake linings for damage and cracking.
    - If damage or wear is encountered:
      - Change the brake linings of the front brake. (p. 90)

12.7 Changing the brake linings of the front brake

**Warning**

**Danger of accidents**  Incorrect servicing will cause the brake system to fail.

– Ensure that service work and repairs are performed professionally. (Your authorized Husqvarna Motorcycles workshop will be glad to help.)

**Warning**

**Skin irritation**  Brake fluid causes skin irritation.

– Keep brake fluid out of the reach of children.

– Wear suitable protective clothing and safety glasses.

– Do not allow brake fluid to come into contact with the skin, the eyes or clothing.

– Consult a doctor immediately if brake fluid has been swallowed.

– Rinse the affected area with plenty of water in the event of contact with the skin.

– Rinse eyes thoroughly with water immediately and consult a doctor if brake fluid comes into contact with the eyes.

– If brake fluid spills on to your clothing, change the clothing.
Warning

Danger of accidents  Old brake fluid reduces the braking effect.
– Make sure that brake fluid for the front and rear brake is changed in accordance with the service schedule. (Your authorized Husqvarna Motorcycles workshop will be glad to help.)

Warning

Danger of accidents  Oil or grease on the brake discs reduces the braking effect.
– Always keep the brake discs free of oil and grease.
– Clean the brake discs with brake cleaner when necessary.

Note

Environmental hazard  Hazardous substances cause environmental damage.
– Dispose of oils, grease, filters, fuel, cleaning agents, brake fluid, etc., correctly and in compliance with the applicable regulations.

Info

Never use DOT 5 brake fluid. It is silicone-based and purple in color. Oil seals and brake lines are not designed for DOT 5 brake fluid.

Avoid contact between brake fluid and painted parts. Brake fluid attacks paint.

Only use clean brake fluid from a sealed container.

(FC 350 EU, FC 350 US)
– Move the brake fluid reservoir mounted on the handlebar to a horizontal position.
– Remove screws 1.
– Take off cover 2 with membrane 3.

– Manually press the brake caliper toward the brake disc to push back the brake pistons. Ensure that brake fluid does not flow out of the brake fluid reservoir, if necessary extract excess.

Info

Make sure that you do not press the brake caliper against the spokes when pushing back the brake pistons.

– Remove cotter pins 4, pull out pin 5, and remove the brake linings.
– Clean the brake caliper and the brake caliper bracket.
Check that spring plate 6 in the brake caliper and sliding plate 7 in the brake caliper bracket are seated properly.

Insert the new brake linings, insert pin 5, and mount cotter pins 4.

**Info**
Always change the brake linings in pairs.

Operate the hand brake lever repeatedly until the brake linings are in contact with the brake disc and there is a pressure point.

Add brake fluid up to level A.

**Guideline**

<table>
<thead>
<tr>
<th>Level A (brake fluid level below reservoir rim)</th>
<th>5 mm (0.2 in)</th>
</tr>
</thead>
</table>

Brake fluid DOT 4 / DOT 5.1 (p. 149)

Position cover 2 with membrane 3.

Mount and tighten screws 1.

**Info**
Immediately clean up any brake fluid that has overflowed or spilled with water.

(FX 350)

Move the brake fluid reservoir mounted on the handlebar to a horizontal position.

Remove screws 1.

Take off cover 2 with membrane 3.
Manually press the brake caliper toward the brake disc to push back the brake pistons. Ensure that brake fluid does not flow out of the brake fluid reservoir, if necessary extract excess.

**Info**

Make sure that you do not press the brake caliper against the spokes when pushing back the brake piston.

- Remove cotter pin 4.
- Push spring plate 5 upwards and remove pin 3.
- Remove the brake linings.
- Clean the brake caliper and the brake caliper bracket.
- Check that spring plate 5 in the brake caliper and sliding plate 7 in the brake caliper bracket are seated correctly.

- Insert the new brake linings.
- Mount pin 6.
  ✓ Spring plate 5 engages in the groove on the pin.

**Info**

Always change the brake linings in pairs.

- Mount cotter pins 4.
- Operate the hand brake lever repeatedly until the brake linings are in contact with the brake disc and there is a pressure point.
12 BRAKE SYSTEM

12.8 Checking the free travel of foot brake lever

**Warning**

**Danger of accidents** The brake system fails in the event of overheating.

If there is no free travel on the foot brake lever, pressure builds up in the brake system on the rear brake.

- Set the free travel on the foot brake lever in accordance with the specification.

- Disconnect spring 1.

- Move the foot brake lever back and forth between the end stop and the contact to the foot brake cylinder piston and check free travel A.

  **Guideline**

<table>
<thead>
<tr>
<th>Free travel at foot brake lever</th>
<th>3 … 5 mm (0.12 … 0.2 in)</th>
</tr>
</thead>
</table>

  » If the free travel does not meet specifications:

  - Adjust the basic position of the foot brake lever. (p. 95)

  - Reconnect spring 1.

- Add brake fluid up to level A.

  **Guideline**

<table>
<thead>
<tr>
<th>Level A (brake fluid level below reservoir rim)</th>
<th>5 mm (0.2 in)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Brake fluid DOT 4 / DOT 5.1 (p. 149)</th>
</tr>
</thead>
</table>

- Position cover 2 with membrane 3.

- Mount and tighten screws 1.

**Info**

Immediately clean up any brake fluid that has overflowed or spilled with water.
12.9 Adjusting the basic position of the foot brake lever

**Warning**

**Danger of accidents** The brake system fails in the event of overheating.

If there is no free travel on the foot brake lever, pressure builds up in the brake system on the rear brake.

- Set the free travel on the foot brake lever in accordance with the specification.

- Detach spring 1.
- Loosen nut 4 and, with push rod 5, turn it back until you have maximum free travel.
- To adjust the basic position of the foot brake lever to individual requirements, loosen nut 2 and turn screw 3 accordingly.

**Info**

The range of adjustment is limited.

- Turn push rod 5 accordingly until you have free travel A. If necessary, adjust the basic position of the foot brake lever.

**Guideline**

<table>
<thead>
<tr>
<th>Component</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Free travel at foot brake lever</td>
<td>3 ... 5 mm (0.12 ... 0.2 in)</td>
</tr>
<tr>
<td>Remaining nuts, chassis</td>
<td>M6 10 Nm (7.4 lbf ft)</td>
</tr>
<tr>
<td>Nut, foot brake lever stop</td>
<td>M8 20 Nm (14.8 lbf ft)</td>
</tr>
</tbody>
</table>

- Hold push rod 5 and tighten nut 4.
- Hold screw 3 and tighten nut 2.
- Attach spring 1.

12.10 Checking the rear brake fluid level

**Warning**

**Danger of accidents** An insufficient brake fluid level will cause the brake system to fail.

If the brake fluid level drops below the specified marking or the specified value, the brake system is leaking or the brake linings are worn down.

- Check the brake system and do not continue riding until the problem is eliminated. (Your authorized Husqvarna Motorcycles workshop will be glad to help.)

**Warning**

**Danger of accidents** Old brake fluid reduces the braking effect.

- Make sure that brake fluid for the front and rear brake is changed in accordance with the service schedule. (Your authorized Husqvarna Motorcycles workshop will be glad to help.)
Preparatory work
– Check the brake linings of the rear brake. (p. 98)

Main work
(FC 350 EU, FC 350 US)
– Stand the vehicle upright.
– Check the brake fluid level in level viewer 1.
  » If the brake fluid level has dropped below the marking A:
    – Add rear brake fluid. (p. 96)

(FX 350)
– Stand the vehicle upright.
– Check the brake fluid level in level viewer 1.
  » If the brake fluid level has dropped below the marking A:
    – Add rear brake fluid. (p. 96)

12.11 Adding rear brake fluid

**Warning**

**Danger of accidents**  An insufficient brake fluid level will cause the brake system to fail.
If the brake fluid level drops below the specified marking or the specified value, the brake system is leaking or the brake linings are worn down.

– Check the brake system and do not continue riding until the problem is eliminated. (Your authorized Husqvarna Motorcycles workshop will be glad to help.)

**Warning**

**Skin irritation**  Brake fluid causes skin irritation.
– Keep brake fluid out of the reach of children.
– Wear suitable protective clothing and safety glasses.
– Do not allow brake fluid to come into contact with the skin, the eyes or clothing.
– Consult a doctor immediately if brake fluid has been swallowed.
– Rinse the affected area with plenty of water in the event of contact with the skin.
– Rinse eyes thoroughly with water immediately and consult a doctor if brake fluid comes into contact with the eyes.
– If brake fluid spills on to your clothing, change the clothing.

**Warning**

**Danger of accidents**  Old brake fluid reduces the braking effect.
– Make sure that brake fluid for the front and rear brake is changed in accordance with the service schedule. (Your authorized Husqvarna Motorcycles workshop will be glad to help.)
Note

Environmental hazard  Hazardous substances cause environmental damage.
  – Dispose of oils, grease, filters, fuel, cleaning agents, brake fluid, etc., correctly and in compliance with the applicable regulations.

Info

Never use DOT 5 brake fluid. It is silicone-based and purple in color. Oil seals and brake lines are not designed for DOT 5 brake fluid.
Avoid contact between brake fluid and painted parts. Brake fluid attacks paint.
Only use clean brake fluid from a sealed container.

Preparatory work
  – Check the brake linings of the rear brake, ( p. 98)

Main work
  (FC 350 EU, FC 350 US)
  – Stand the vehicle upright.
  – Remove screw cap 1 with membrane 2 and the O-ring.
  – Add brake fluid up to the marking A.
    Brake fluid DOT 4 / DOT 5.1 ( p. 149)
  – Mount and tighten the screw cap with the membrane and O-ring.
  
  Info
  Clean up overflowed or spilled brake fluid immediately with water.

  (FX 350)
  – Stand the vehicle upright.
  – Remove the cable ties on the frame protector.
  – Remove screw cap 1 with membrane 2 and the shim.
  – Add brake fluid up to the marking A.
    Brake fluid DOT 4 / DOT 5.1 ( p. 149)
  – Mount and tighten screw cap with the membrane and the shim.
  
  Info
  Clean up overflowed or spilled brake fluid immediately with water.

  – Mount new cable ties on the frame protector.
12.12 Checking the brake linings of the rear brake

**Warning**

**Danger of accidents** Worn-out brake linings reduce the braking effect.
- Ensure that worn-out brake linings are replaced immediately. (Your authorized Husqvarna Motorcycles workshop will be glad to help.)

**FC 350 EU, FC 350 US**
- Check the brake linings for minimum thickness \( A \).
  
  | Minimum thickness \( A \) | ≥ 1 mm (≥ 0.04 in) |
  
  » If the minimum thickness is less than specified:
  - Change the brake linings of the rear brake. (p. 98)
  - Check the brake linings for damage and cracking.
  » If damage or wear is encountered:
  - Change the brake linings of the rear brake. (p. 98)

**FX 350**
- Check the brake linings for minimum thickness \( A \).

  | Minimum thickness \( A \) | ≥ 1 mm (≥ 0.04 in) |
  
  » If the minimum thickness is less than specified:
  - Change the brake linings of the rear brake. (p. 98)
  - Check the brake linings for damage and cracking.
  » If damage or wear is encountered:
  - Change the brake linings of the rear brake. (p. 98)

12.13 Changing the brake linings of the rear brake

**Warning**

**Danger of accidents** Incorrect servicing will cause the brake system to fail.
- Ensure that service work and repairs are performed professionally. (Your authorized Husqvarna Motorcycles workshop will be glad to help.)

**Skin irritation** Brake fluid causes skin irritation.
- Keep brake fluid out of the reach of children.
- Wear suitable protective clothing and safety glasses.
- Do not allow brake fluid to come into contact with the skin, the eyes or clothing.
- Consult a doctor immediately if brake fluid has been swallowed.
- Rinse the affected area with plenty of water in the event of contact with the skin.
- Rinse eyes thoroughly with water immediately and consult a doctor if brake fluid comes into contact with the eyes.
- If brake fluid spills on to your clothing, change the clothing.
**Warning**

**Danger of accidents**  Old brake fluid reduces the braking effect.
- Make sure that brake fluid for the front and rear brake is changed in accordance with the service schedule. (Your authorized Husqvarna Motorcycles workshop will be glad to help.)

**Warning**

**Danger of accidents**  Oil or grease on the brake discs reduces the braking effect.
- Always keep the brake discs free of oil and grease.
- Clean the brake discs with brake cleaner when necessary.

**Note**

**Environmental hazard**  Hazardous substances cause environmental damage.
- Dispose of oils, grease, filters, fuel, cleaning agents, brake fluid, etc., correctly and in compliance with the applicable regulations.

**Info**

Never use DOT 5 brake fluid. It is silicone-based and purple in color. Oil seals and brake lines are not designed for DOT 5 brake fluid.
Avoid contact between brake fluid and painted parts. Brake fluid attacks paint.
Only use clean brake fluid from a sealed container.

---

**Info**

*(FC 350 EU, FC 350 US)*
- Position the vehicle upright.
- Remove screw cap 1 with membrane 2 and the O-ring.
- Manually press the brake caliper toward the brake disc to push back the brake piston. Ensure that brake fluid does not flow out of the brake fluid reservoir, if necessary extract excess.
- Remove cotter pins 3, pull out pin 4, and remove the brake linings.
- Clean the brake caliper and the brake caliper bracket.
- Check that spring plate ⑤ in the brake caliper and sliding plate ⑥ in the brake caliper bracket are seated properly.

**Info**
The arrow on the spring plate points in the direction of rotation of the brake disc.

- Insert the new brake linings, insert pin ④, and mount cotter pins ③.

**Info**
Always change the brake linings in pairs. Make sure that decoupling plate ⑦ is mounted on the piston side brake lining.

- Operate the foot brake lever repeatedly until the brake linings are in contact with the brake disc and there is a pressure point.

- Add brake fluid to level ①.

**Brake fluid DOT 4 / DOT 5.1 (p. 149)**

- Mount and tighten screw cap ① with membrane ② and the O-ring.

**Info**
Immediately clean up any brake fluid that has overflowed or spilled with water.

**(FX 350)**
- Position the vehicle upright.
- Remove the cable tie on the frame protector.
- Remove screw cap ① with membrane ② and the shim.

- Manually press the brake caliper toward the brake disc to push back the brake piston. Ensure that brake fluid does not flow out of the brake fluid reservoir, if necessary extract excess.

**Info**
Make sure that you do not press the brake caliper against the spokes when pushing back the brake piston.

- Remove cotter pin ③.
- Push spring plate ④ downwards and remove pin ⑤.
- Remove the brake linings.
- Clean the brake caliper and the brake caliper bracket.
- Check that spring plate 4 in the brake caliper and sliding plate 6 in the brake caliper bracket are seated correctly.

- Insert the new brake linings.
- Mount pin 5.
  ✔ Spring plate 4 engages in the groove on the pin.

  **Info**
  Always change the brake linings in pairs.
  Make sure that decoupling plate 7 is mounted on the piston side brake lining.

- Mount cotter pins 3.
- Operate the foot brake lever repeatedly until the brake linings are in contact with the brake disc and there is a pressure point.

- Add brake fluid to level A.
  
  **Brake fluid DOT 4 / DOT 5.1 (p. 149)**

- Mount and tighten screw cap 1 with membrane 2 and the shim.

  **Info**
  Immediately clean up any brake fluid that has overflowed or spilled with water.

- Mount new cable ties on the frame protector.
13.1 Removing the front wheel

Preparatory work
– Raise the motorcycle with a lift stand. (p. 51)

Main work
(FC 350 EU, FC 350 US)
– Manually press the brake caliper toward the brake disc to push back the brake pistons.

Info
Make sure that you do not press the brake caliper against the spokes when pushing back the brake pistons.

(FX 350)
– Manually press the brake caliper toward the brake disc to push back the brake pistons.

Info
Make sure that you do not press the brake caliper against the spokes when pushing back the brake pistons.

– Loosen screw 1 by several rotations.
– Loosen screws 2.
– Press on screw 1 to push the wheel spindle out of the axle clamp.
– Remove screw 1.

Warning
Danger of accidents
Damaged brake discs reduce the braking effect.
– Always lay the wheel down in such a way that the brake disc is not damaged.

– Hold the front wheel and remove the wheel spindle. Take the front wheel out of the fork.

Info
Do not actuate the hand brake lever when the front wheel is removed.
13.2 Installing the front wheel

**Warning**

*Danger of accidents*  Oil or grease on the brake discs reduces the braking effect.
- Always keep the brake discs free of oil and grease.
- Clean the brake discs with brake cleaner when necessary.

- Check the wheel bearing for damage and wear.
  - If the wheel bearing is damaged or worn:
    - Change front wheel bearing.
- Clean and grease shaft seal rings and contact surfaces of the spacers.
- Insert the spacers.
- Clean and grease the wheel spindle.
- Position the front wheel and insert the wheel spindle.
  - The brake linings are correctly positioned.
- Mount and tighten screw.

**Guideline**

| Screw, front wheel spindle | M20x1.5 | 35 Nm (25.8 lbf ft) |

- Operate the hand brake lever several times until the brake linings are seated correctly against the brake disc.
- Remove the motorcycle from the lift stand. (p. 51)
- Operate the front brake and compress the fork a few times firmly.
  - The fork legs straighten.
- Tighten screws.

**Guideline**

| Screw, fork stub | M8 | 15 Nm (11.1 lbf ft) |

- Remove spacers.
13.3 Removing the rear wheel

Preparatory work
– Raise the motorcycle with a lift stand. (p. 51)

Main work
(FC 350 EU, FC 350 US)
– Manually press the brake caliper toward the brake disc to push back the brake piston.

  Info
  Make sure that you do not press the brake caliper against the spokes when pushing back the brake piston.

– Remove nut 1.
– Take off chain adjuster 2. Pull out wheel spindle 3 far enough to allow the rear wheel to be pushed forward.
– Push the rear wheel forward as far as possible. Remove the chain from the rear sprocket.

  Info
  Cover the components to protect them against damage.

Warning
Danger of accidents Damaged brake discs reduce the braking effect.
– Always lay the wheel down in such a way that the brake disc is not damaged.

– Hold the rear wheel and remove the wheel spindle. Take the rear wheel out of the link fork.

  Info
  Do not operate the foot brake lever when the rear wheel is removed.
(FX 350)

- Manually press the brake caliper toward the brake disc to push back the brake piston.

**Info**
Make sure that you do not press the brake caliper against the spokes when pushing back the brake piston.

- Remove nut 1.
- Take off chain adjuster 2. Pull out wheel spindle 3 far enough to allow the rear wheel to be pushed forward.
- Push the rear wheel forward as far as possible. Remove the chain from the rear sprocket.

**Info**
Cover the components to protect them against damage.

**Warning**

**Danger of accidents** Damaged brake discs reduce the braking effect.
- Always lay the wheel down in such a way that the brake disc is not damaged.

- Hold the rear wheel and remove the wheel spindle. Take the rear wheel out of the link fork.

**Info**
Do not operate the foot brake lever when the rear wheel is removed.

- Remove spacers 4.

### 13.4 Installing the rear wheel

**Warning**

**Danger of accidents** Oil or grease on the brake discs reduces the braking effect.
- Always keep the brake discs free of oil and grease.
- Clean the brake discs with brake cleaner when necessary.
Main work
– Check the wheel bearing for damage and wear.
  » If the wheel bearing is damaged or worn:
    – Change the rear wheel bearing.
– Clean and grease shaft seal rings 1 and contact surfaces A of the spacers.
  Long-life grease (p. 151)
– Insert the spacers.
– Clean and grease the wheel spindle.
  Long-life grease (p. 151)
– Position rear wheel and insert wheel spindle 2.
  ✔ The brake linings are correctly positioned.
– Mount the chain.

  Position chain adjuster 3. Mount nut 4, but do not tighten it yet.
  Make sure that chain adjusters 3 are fitted correctly on adjusting screws 5.
– Check the chain tension. (p. 77)
– Tighten nut 4.

  Guideline

| Nut, rear wheel spindle | M25x1.5 | 80 Nm (59 lbf ft) |

  Info
The wide adjustment range of the chain adjusters (32 mm (1.26 in)) enables different secondary ratios with the same chain length.
Chain adjusters 3 can be turned by 180°.

  Operate the foot brake lever repeatedly until the brake linings are in contact with the brake disc and there is a pressure point.

Finishing work
– Remove the motorcycle from the lift stand. (p. 51)
13.5 Checking the tire condition

**Info**
Only mount tires approved and/or recommended by Husqvarna Motorcycles.
Other tires could have a negative effect on handling characteristics.
The type, condition, and pressure of the tires all have a major impact on the handling characteristic of the motorcycle.
The tires mounted on the front and rear wheels must have a similar profile.
Worn tires have a negative effect on handling characteristics, especially on wet surfaces.

- Check the front and rear tires for cuts, run-in objects, and other damage.
  - If the tires have cuts, run-in objects, or other damage:
    - Change the tires.

- Check the tire age.

**Info**
The tire date of manufacture is usually contained in the tire label and is indicated by the last four digits of the DOT number. The first two digits indicate the week of manufacture and the last two digits the year of manufacture.
Husqvarna Motorcycles recommends that the tires be changed after 5 years at the latest, regardless of the actual state of wear.

- If the tires are more than 5 years old:
  - Change the tires.

13.6 Checking tire pressure

**Info**
Low tire pressure leads to abnormal wear and overheating of the tire.
Correct tire pressure ensures optimal riding comfort and maximum tire service life.

- Remove the protection cap.
- Check the tire pressure when the tires are cold.

<table>
<thead>
<tr>
<th>Offroad tire pressure</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>front</td>
<td>1.0 bar (15 psi)</td>
</tr>
<tr>
<td>rear</td>
<td>1.0 bar (15 psi)</td>
</tr>
</tbody>
</table>

- If the tire pressure does not meet specifications:
  - Correct the tire pressure.
  - Mount the protection cap.
13.7 Checking the spoke tension

**Warning**

**Danger of accidents** Incorrectly tensioned spokes impair the handling characteristic and result in secondary damage.

The spokes break due to being overloaded if they are too tightly tensioned. If the tension in the spokes is too low, then lateral and radial run-out will form in the wheel. Other spokes will become looser as a result.

- Check spoke tension regularly, and in particular on a new vehicle. (Your authorized Husqvarna Motorcycles workshop will be glad to help.)

- Strike each spoke briefly using a screwdriver blade.

**Info**

The frequency of the sound depends on the spoke length and spoke diameter.

If spokes of the same length and diameter vibrate with a different tone, this is an indication that the spoke tensions differ.

You should hear a high note.

- If the spoke tension differs:
  - Correct the spoke tension.

- Check the spoke torque.

**Guideline**

<table>
<thead>
<tr>
<th>Spoke nipple, front wheel</th>
<th>M4.5</th>
<th>6 Nm (4.4 lbf ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spoke nipple, rear wheel</td>
<td>M4.5</td>
<td>6 Nm (4.4 lbf ft)</td>
</tr>
</tbody>
</table>

Torque wrench kit (58429094000)
14.1 Removing the 12-V battery

**Warning**
**Risk of injury** 12 V batteries contain harmful substances.
- Keep 12 V batteries out of the reach of children.
- Keep sparks and open flames away from 12 V batteries.
- Only charge 12 V batteries in well-ventilated rooms.
- Maintain a minimum clearance from inflammable materials when charging 12 V batteries.
  Minimum clearance 1 m (3 ft)
- Do not charge deeply discharged 12 V batteries if the charge is already below the minimum voltage.
  Minimum voltage before the start of the charge 9 V
- Dispose of 12 V batteries with less than the minimum voltage correctly.

**Caution**
**Danger of burns** The voltage regulator gets very hot when the vehicle is driven.
- Allow the voltage regulator to cool down before performing any work.

**Preparatory work**
- Press and hold the switch-off button while the engine is idling until the engine stops.
- Remove the air filter box cover. (p. 66)
- Remove the seat. (p. 65)

**Main work**
- Hang the voltage regulator to the side.
- Disconnect negative cable from the 12-V battery.
- Pull back positive terminal cover and disconnect positive cable from the 12 V battery.
- Remove screw.
- Pull holding bracket forward and remove the 12-V battery upwards.
### 14.2 Installing the 12 V battery

**Main work**
- Position the 12 V battery in the battery compartment with the terminals facing forward, and secure with holding bracket 1.

12 V battery (HJTZSS-FP-O) (p. 143)

- Mount and tighten screw 2.

Guideline

<table>
<thead>
<tr>
<th>Remaining screws, chassis</th>
<th>M6</th>
<th>10 Nm (7.4 lbf ft)</th>
</tr>
</thead>
</table>

**Info**

Contact disks A must be mounted under screws 3 and cable sockets 4 with the claws toward the battery terminal.

- Connect positive cable 5 to the 12 V battery.

Guideline

<table>
<thead>
<tr>
<th>Screw, battery terminal</th>
<th>M5</th>
<th>2.5 Nm (1.84 lbf ft)</th>
</tr>
</thead>
</table>

- Slide positive terminal cover 6 over the positive terminal.

- Connect negative cable 7 to the 12 V battery.

Guideline

<table>
<thead>
<tr>
<th>Screw, battery terminal</th>
<th>M5</th>
<th>2.5 Nm (1.84 lbf ft)</th>
</tr>
</thead>
</table>

- Position the voltage regulator.

**Finishing work**
- Mount the seat. (p. 65)
- Install the air filter box cover. (p. 66)

### 14.3 Charging the 12 V battery

**Warning**

**Risk of injury** 12 V batteries contain harmful substances.
- Keep 12 V batteries out of the reach of children.
- Keep sparks and open flames away from 12 V batteries.
- Only charge 12 V batteries in well-ventilated rooms.
- Maintain a minimum clearance from inflammable materials when charging 12 V batteries.
  Minimum clearance 1 m (3 ft)
- Do not charge deeply discharged 12 V batteries if the charge is already below the minimum voltage.
  Minimum voltage before the start of the charge 9 V
- Dispose of 12 V batteries with less than the minimum voltage correctly.
**Note**

**Environmental hazard** 12 V batteries contain environmentally hazardous materials.

- Do not dispose of 12 V batteries as household waste.
- Dispose of 12 V batteries at a collection point for used batteries.

---

**Info**

Even when there is no load on the 12 V battery, it discharges steadily. The charging level and the method of charging are very important for the service life of the 12 V battery. Rapid recharging with a high charging current shortens the service life of the battery. If the charging current, charging voltage, or charging time is exceeded, the 12 V battery will be destroyed. If the 12 V battery is depleted by repeated starting, the 12 V battery must be charged immediately. If the 12 V battery is left in a discharged state for an extended period, it will become deeply discharged and suffer a loss of capacity, destroying the battery. The 12 V battery is maintenance-free.

---

**Preparatory work**

- Press and hold the switch-off button \( \text{\textbullet} \) while the engine is idling until the engine stops.
- Remove the air filter box cover. (\( \text{\textbullet} \) p. 66)
- Remove the seat. (\( \text{\textbullet} \) p. 65)
- Remove the 12-V battery. (\( \text{\textbullet} \) p. 109)

**Main work**

- Check the battery voltage.
  - Battery voltage: \( < 9 \text{ V} \)
    - Do not charge the 12 V battery.
    - Replace the 12 V battery and dispose of the old 12 V battery properly.
  - If the specifications have been met:
    - Battery voltage: \( \geq 9 \text{ V} \)
    - Connect the battery charger to the 12 V battery.
    - Switch on the battery charger.

**Guideline**

<table>
<thead>
<tr>
<th>The charging current, charging voltage, and charging time must not be exceeded.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum charging voltage</td>
</tr>
<tr>
<td>14.4 V</td>
</tr>
<tr>
<td>Maximum charging current</td>
</tr>
<tr>
<td>3.0 A</td>
</tr>
<tr>
<td>Maximum charging time</td>
</tr>
<tr>
<td>24 h</td>
</tr>
<tr>
<td>Recharge the 12 V battery regularly when the motorcycle is not being used</td>
</tr>
<tr>
<td>6 months</td>
</tr>
</tbody>
</table>

(U(EU) battery charger (26529974000)

**Alternative 1**

(US) battery charger (26529974500)

These battery chargers test whether the 12 V battery retains its voltage. It is also impossible to over-
charge the 12 V battery with these battery chargers. The charging time may be longer at low temperatures. These battery chargers are only suitable for lithium iron phosphate batteries. Read the accompanying instructions for Husqvarna Motorcycles accessories.

<table>
<thead>
<tr>
<th>Info</th>
</tr>
</thead>
<tbody>
<tr>
<td>Never remove cover 1.</td>
</tr>
</tbody>
</table>

- Switch off the battery charger after charging and disconnect from the 12 V battery.

**Finishing work**
- Install the 12 V battery. *(p. 110)*
- Mount the seat. *(p. 65)*
- Install the air filter box cover. *(p. 66)*

### 14.4 Changing the main fuse

<table>
<thead>
<tr>
<th>Warning</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fire hazard</strong> Incorrect fuses overload the electrical system.</td>
</tr>
<tr>
<td>- Only use fuses with the required ampere value.</td>
</tr>
<tr>
<td>- Do not bypass or repair fuses.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Caution</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Danger of burns</strong> The voltage regulator gets very hot when the vehicle is driven.</td>
</tr>
<tr>
<td>- Allow the voltage regulator to cool down before performing any work.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Info</th>
</tr>
</thead>
<tbody>
<tr>
<td>The main fuse protects all power consumers of the vehicle. It is located in the starter relay housing under the seat.</td>
</tr>
</tbody>
</table>

**Preparatory work**
- Press and hold the switch-off button while the engine is idling until the engine stops.
- Remove the air filter box cover. *(p. 66)*
- Remove the seat. *(p. 65)*

**Main work**
- Pull starter relay 1 from the holder.
– Take off protection caps ②.
– Remove faulty main fuse ③.

**Info**
A faulty fuse has a burned-out fuse wire ①.
A spare fuse ④ is located in the starter relay.

– Insert a new main fuse.

**Fuse (58011109110) (p. 143)**

– Check that the electrical system is functioning properly.

**Tip**
Insert a spare fuse so that it is available if needed.

– Mount the protection caps.
– Mount the starter relay onto the holder and route the cable.

**Finishing work**
– Mount the seat. (p. 65)
– Install the air filter box cover. (p. 66)

### 14.5 Diagnostics connector

The diagnostics connector ① is located under the seat below the EFI control unit.
15.1 Cooling system

Water pump 1 in the engine circulates the coolant. The pressure resulting from the warming of the cooling system is regulated by a valve in radiator cap 2. This ensures that operating the vehicle at the specified coolant temperature will not result in a risk of malfunctions.

120 °C (248 °F)

Cooling is effected by the air stream. The lower the speed, the less the cooling effect. Dirty cooling fins also reduce the cooling effect.

15.2 Checking the antifreeze and coolant level

Warning

Danger of scalding  During motorcycle operation, the coolant gets very hot and is under pressure.
- Do not open the radiator, the radiator hoses or other cooling system components if the engine or the cooling system are at operating temperature.
- Allow the cooling system and the engine to cool down before you open the radiator, the radiator hoses or other components of the cooling system.
- In the event of scalding, rinse the area affected immediately with lukewarm water.

Warning

Danger of poisoning  Coolant is toxic and a health hazard.
- Keep coolant out of the reach of children.
- Do not allow coolant to come into contact with the skin, the eyes and clothing.
- Consult a doctor immediately if coolant is swallowed.
- Rinse the affected area immediately with plenty of water in the event of contact with the skin.
- Rinse eyes thoroughly with water and consult a doctor immediately if coolant gets into the eyes.
- Change clothing if coolant spills onto your clothing.

Condition

The engine is cold.
– Stand the motorcycle upright on a horizontal surface.
– Remove the radiator cap.
– Check the antifreeze in the coolant.

\[ -25 \ldots -45 \, ^\circ C (-13 \ldots -49 \, ^\circ F) \]

> If the antifreeze in the coolant does not match the specified value:
  – Correct the antifreeze in the coolant.

– Check the coolant level in the radiator.

**Coolant level A above the radiator fins** 10 mm (0.39 in)

> If the coolant level does not match the specified value:
  – Correct the coolant level.

**Coolant (p. 149)**

– Mount the radiator cap.

### 15.3 Checking the coolant level

**Warning**

**Danger of scalding**  During motorcycle operation, the coolant gets very hot and is under pressure.

– Do not open the radiator, the radiator hoses or other cooling system components if the engine or the cooling system are at operating temperature.

– Allow the cooling system and the engine to cool down before you open the radiator, the radiator hoses or other components of the cooling system.

– In the event of scalding, rinse the area affected immediately with lukewarm water.

**Warning**

**Danger of poisoning**  Coolant is toxic and a health hazard.

– Keep coolant out of the reach of children.

– Do not allow coolant to come into contact with the skin, the eyes and clothing.

– Consult a doctor immediately if coolant is swallowed.

– Rinse the affected area immediately with plenty of water in the event of contact with the skin.

– Rinse eyes thoroughly with water and consult a doctor immediately if coolant gets into the eyes.

– Change clothing if coolant spills onto your clothing.

### Condition

The engine is cold.

– Stand the motorcycle upright on a horizontal surface.
– Remove the radiator cap.
– Check the coolant level in the radiator.

**Coolant level A above the radiator fins** 10 mm (0.39 in)

> If the coolant level does not match the specified value:
  – Correct the coolant level.

**Coolant (p. 149)**

– Mount the radiator cap.
15 COOLING SYSTEM

15.4 Draining the coolant

**Warning**

_Danger of scalding_ During motorcycle operation, the coolant gets very hot and is under pressure.
- Do not open the radiator, the radiator hoses or other cooling system components if the engine or the cooling system are at operating temperature.
- Allow the cooling system and the engine to cool down before you open the radiator, the radiator hoses or other components of the cooling system.
- In the event of scalding, rinse the area affected immediately with lukewarm water.

**Warning**

_Danger of poisoning_ Coolant is toxic and a health hazard.
- Keep coolant out of the reach of children.
- Do not allow coolant to come into contact with the skin, the eyes and clothing.
- Consult a doctor immediately if coolant is swallowed.
- Rinse the affected area immediately with plenty of water in the event of contact with the skin.
- Rinse eyes thoroughly with water and consult a doctor immediately if coolant gets into the eyes.
- Change clothing if coolant spills onto your clothing.

**Condition**

The engine is cold.

- Position the motorcycle upright.
- Place an appropriate container under the water pump cover.
- Remove screw 1. Take off radiator cap 2.
- Completely drain the coolant.
- Mount and tighten screw 1 with a new seal ring.

<table>
<thead>
<tr>
<th>Guideline</th>
<th>Screw, water pump cover</th>
<th>M6</th>
<th>10 Nm (7.4 lbf ft)</th>
</tr>
</thead>
</table>

15.5 Refilling coolant

**Warning**

_Danger of poisoning_ Coolant is toxic and a health hazard.
- Keep coolant out of the reach of children.
- Do not allow coolant to come into contact with the skin, the eyes and clothing.
- Consult a doctor immediately if coolant is swallowed.
- Rinse the affected area immediately with plenty of water in the event of contact with the skin.
- Rinse eyes thoroughly with water and consult a doctor immediately if coolant gets into the eyes.
- Change clothing if coolant spills onto your clothing.
Make sure that screw 1 is tightened.

Position the motorcycle upright.

Pour coolant in up to measurement A above the radiator fins.

Guideline

<table>
<thead>
<tr>
<th>Dimension A over the radiator fins</th>
<th>10 mm (0.39 in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coolant</td>
<td>0.95 l (1 qt.)</td>
</tr>
</tbody>
</table>

Coolant (p. 149)

Mount the radiator cap.

Take a short test ride.

Check the coolant level. (p. 115)

### 15.6 Changing the coolant

**Warning**

Danger of scalding  
During motorcycle operation, the coolant gets very hot and is under pressure.

- Do not open the radiator, the radiator hoses or other cooling system components if the engine or the cooling system are at operating temperature.
- Allow the cooling system and the engine to cool down before you open the radiator, the radiator hoses or other components of the cooling system.
- In the event of scalding, rinse the area affected immediately with lukewarm water.

**Warning**

Danger of poisoning  
Coolant is toxic and a health hazard.

- Keep coolant out of the reach of children.
- Do not allow coolant to come into contact with the skin, the eyes and clothing.
- Consult a doctor immediately if coolant is swallowed.
- Rinse the affected area immediately with plenty of water in the event of contact with the skin.
- Rinse eyes thoroughly with water and consult a doctor immediately if coolant gets into the eyes.
- Change clothing if coolant spills onto your clothing.

**Condition**

The engine is cold.

- Position the motorcycle upright.
- Place an appropriate container under the water pump cover.
- Remove screw 1. Take off radiator cap 2.
- Completely drain the coolant.
Mount and tighten screw 1 with a new seal ring.

Guideline

| Screw, water pump cover | M6       | 10 Nm (7.4 lbf ft) |

Pour coolant in up to measurement A above the radiator fins.

Guideline

| Distance A above the radiator fins | 10 mm (0.39 in) |

Coolant 0.95 l (1 qt.) Coolant (p. 149)

- Mount the radiator cap.
- Go for a short test ride.
- Check the coolant level. (p. 115)
16.1 Checking throttle cable play

- Check the throttle grip for smooth operation.
- Move the handlebar to the straight-ahead position. Turn the throttle grip back and forth slightly and determine the play in throttle cable A.

| Throttle cable play | 3 … 5 mm (0.12 … 0.2 in) |

» If the throttle cable play does not meet specifications:
  - Adjust throttle cable play. (p. 119)

- Push the cold start button in all the way.

When the throttle grip is turned forward, the cold start button returns to its original position.

» If the cold start button does not return to its original position:
  - Adjust throttle cable play. (p. 119)

Danger

Danger of poisoning
Exhaust gases are toxic and inhaling them may result in unconsciousness and death.
- Always make sure there is sufficient ventilation when running the engine.
- Use effective exhaust extraction when starting or running the engine in an enclosed space.

- Start the engine and let it run at idle speed. Move the handlebar to and fro over the entire steering range.

The idle speed must not change.

» If the idle speed changes:
  - Adjust throttle cable play. (p. 119)

16.2 Adjusting throttle cable play

Info
If the correct routing of the throttle cables has already been secured, the fuel tank does not need to be removed.

Preparatory work
- Remove the air filter box cover. (p. 66)
- Remove the seat. (p. 65)
- Remove the right side cover. (p. 70)
- Remove the fuel tank. (p. 71)
- Check throttle cable routing. (p. 81)
Main work
(FC 350 EU, FC 350 US)
- Move the handlebar to the straight-ahead position.
- Push back sleeve ①.
- Loosen nut ②.
- Turn adjusting screw ③ in as far as possible.
- Loosen nut ④.
- Push cold start button ⑥ all the way to the stop.
- Turn adjusting screw ⑤ so that the cold start button moves to the basic position when the throttle grip is turned to the front.
- Tighten nut ④.
- Turn barrel adjuster ③ so that there is play in the throttle cable at the throttle grip.

Guideline
| Throttle cable play | 3 … 5 mm (0.12 … 0.2 in) |
- Tighten nut ②.
- Slide on sleeve ①.
- Check the throttle grip for smooth operation.

(FX 350)
- Move the handlebar to the straight-ahead position.
- Push back sleeve ①.
- Loosen nut ②.
- Turn adjusting screw ③ in as far as possible.
- Loosen nut ④.
- Push cold start button ⑥ all the way to the stop.
- Turn adjusting screw ⑤ so that the cold start button moves to the basic position when the throttle grip is turned to the front.
- Tighten nut ④.
- Turn barrel adjuster ③ so that there is play in the throttle cable at the throttle grip.

Guideline
| Throttle cable play | 3 … 5 mm (0.12 … 0.2 in) |
- Tighten nut ②.
- Slide on sleeve ①.
- Check the throttle grip for smooth operation.

Finishing work
- Check throttle cable play. (p. 119)
- Install the fuel tank. (p. 73)
- Install the right side cover. (p. 71)
- Mount the seat. (p. 65)
- Install the air filter box cover. (p. 66)
16.3 Adjusting the characteristic map of the throttle response

Info
On the throttle grip, the characteristic map of the throttle response is changed by changing the guide plate. A guide plate with a different characteristic map is supplied.

Main work
- Push back sleeve 1.
- Remove screws 2 and half-shells 3.
- Detach the throttle cables and take off the grip tube.

- Remove guide plate 4 from handle tube 5.
- Position the required guide plate on the grip tube.

Guideline
The label OUTSIDE must be visible. Marking A must be positioned at marking B.

Grey guide plate (79002014000)

Alternative 1
Black guide plate (79002014100)

Info
The gray guide plate opens the throttle valve more slowly. The black guide plate opens the throttle valve more quickly. The gray guide plate is mounted upon delivery.

- Clean the outside of the handlebar and the inside of the grip tube. Mount the grip tube on the handlebar.
- Attach the throttle cables to the guide plate and route correctly.
16 TUNING THE ENGINE

16.4 Changing the mapping

**Info**
The desired engine characteristic can be activated via the MAP button on the combination switch.
The setting most recently selected is activated again when restarting.
The traction control can also be activated in each mapping using the TC button.
The mapping can also be changed during the ride.

---

**Activating STANDARD mapping:**
- Press button MAP until LED1 lights up.
  
  **Guideline**
  
<table>
<thead>
<tr>
<th>Engine speed</th>
<th>&lt; 4,000 rpm</th>
</tr>
</thead>
</table>
  
  
  ✔ STANDARD – balanced response

---

**Activating ADVANCED mapping:**
- Press button MAP until LED2 lights up.
  
  **Guideline**
  
<table>
<thead>
<tr>
<th>Engine speed</th>
<th>&lt; 4,000 rpm</th>
</tr>
</thead>
</table>
  
  
  ✔ ADVANCED – direct response

---

16.5 Adjusting the idle speed

**Danger**

**Danger of poisoning**
Exhaust gases are toxic and inhaling them may result in unconsciousness and death.
- Always make sure there is sufficient ventilation when running the engine.
- Use effective exhaust extraction when starting or running the engine in an enclosed space.

---

---
Warning

**Danger of accidents**  
The engine may go out spontaneously if the idle speed is set too low.

– Set the idle speed to the specified value. (Your authorized Husqvarna Motorcycles workshop will be glad to help.)

---

Run the engine until warm.

☑️ The cold start button is deactivated – The cold start button is in its basic position. (p. 19)

– Set the idle speed by turning the idle speed adjusting screw 1.

**Guideline**

<table>
<thead>
<tr>
<th>Idle speed</th>
<th>2,250 ... 2,350 rpm</th>
</tr>
</thead>
</table>

**Tachometer (45129075000)**

**Info**

Turning counterclockwise lowers the idle speed.  
Turning clockwise raises the idle speed.

---

### 16.6 Teaching the throttle valve position

**Info**

If the control unit detects that the throttle valve position at idle speed needs to be retaught, then the malfunction indicator lamp flashes 2x per second.

---

**Danger**

**Danger of poisoning**  
Exhaust gases are toxic and inhaling them may result in unconsciousness and death.

– Always make sure there is sufficient ventilation when running the engine.

– Use effective exhaust extraction when starting or running the engine in an enclosed space.

– Allow the vehicle to run at idle speed.

☑️ The malfunction indicator lamp stops flashing once teaching is completed.

**Info**

If the engine becomes too hot, perform a cool-down ride at medium revs.  
Then do not switch off the engine after this, but leave it running at idle speed until teaching is completed.
16.7 Checking the basic position of the shift lever

**Info**

When driving, the shift lever must not touch the rider’s boot when in the basic position. When the shift lever keeps touching the boot, the transmission will be subject to an excessive load.

- Sit on the vehicle in the riding position and determine distance A between the upper edge of your boot and the shift lever.

<table>
<thead>
<tr>
<th>Distance between shift lever and upper edge of boot</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 ... 20 mm (0.39 ... 0.79 in)</td>
</tr>
</tbody>
</table>

- If the distance does not meet specifications:
  - Adjust the basic position of the shift lever. (p. 124)

16.8 Adjusting the basic position of the shift lever

- Remove screw 1 with the washers and take off shift lever 2.

- Clean gear teeth A of the shift lever and shift shaft.

- Mount the shift lever on the shift shaft in the required position and engage gearing.

**Info**

The range of adjustment is limited. The shift lever must not come into contact with any other vehicle components during the shift procedure.

- Mount and tighten screw 1 with the washers.

**Guideline**

<table>
<thead>
<tr>
<th>Screw, shift lever</th>
<th>M6</th>
<th>14 Nm (10.3 lbf ft)</th>
<th>Loctite®243™</th>
</tr>
</thead>
</table>
17.1 Changing the fuel screen

**Danger**

**Fire hazard**  Fuel is highly flammable.

The fuel in the fuel tank expands when warm and can escape if overfilled.

- Do not fuel the vehicle in the vicinity of open flames or lit cigarettes.
- Switch off the engine for refueling.
- Make sure that no fuel is spilled; particularly not on hot parts of the vehicle.
- If any fuel is spilled, wipe it off immediately.
- Observe the specifications for refueling.

**Warning**

**Danger of poisoning**  Fuel is poisonous and a health hazard.

- Avoid skin, eye and clothing contact with fuel.
- Immediately consult a doctor if you swallow fuel.
- Do not inhale fuel vapors.
- In case of skin contact, rinse the affected area with plenty of water.
- Rinse the eyes thoroughly with water, and consult a doctor in case of fuel contact with the eyes.
- Change your clothing in case of fuel spills on them.

**Note**

**Environmental hazard**  Improper handling of fuel is a danger to the environment.

- Do not allow fuel to enter the groundwater, the soil, or the sewage system.

---

**Info**

Remaining fuel may flow out of the fuel hose.

- Pull fuel screen (2) out of the connecting piece.
- Insert the new fuel screen all the way into the connecting piece.
- Spray silicone spray onto a lint-free cleaning cloth and lightly lubricate the O-ring of the quick-release coupling.

Silicone spray (p. 152)

- Join quick release coupling (1).
Danger

Danger of poisoning  Exhaust gases are toxic and inhaling them may result in unconsciousness and death.
- Always make sure there is sufficient ventilation when running the engine.
- Use effective exhaust extraction when starting or running the engine in an enclosed space.

Start the engine and check the response.

(FX 350)
- Clean quick release coupling 1 thoroughly with compressed air.

Info

Under no circumstances should dirt enter into the fuel line. Dirt in the fuel line clogs the injection valve!

- Disconnect the quick release coupling.

Info

Remaining fuel may flow out of the fuel hose.

- Pull fuel screen 2 out of the connecting piece.
- Insert the new fuel screen all the way into the connecting piece.
- Spray silicone spray onto a lint-free cleaning cloth and lightly lubricate the O-ring of the quick-release coupling.

Silicone spray (p. 152)

- Join quick release coupling 1.

Danger

Danger of poisoning  Exhaust gases are toxic and inhaling them may result in unconsciousness and death.
- Always make sure there is sufficient ventilation when running the engine.
- Use effective exhaust extraction when starting or running the engine in an enclosed space.

Start the engine and check the response.
17.2 Checking the engine oil level

Info
The engine oil level can be checked when the engine is cold or warm.

Preparatory work
– Stand the motorcycle upright on a horizontal surface.

Condition
The engine is cold.
– Check the engine oil level.

The engine oil reaches the middle of level viewer A.
» If the engine oil does not reach the middle of the level viewer:
  – Add engine oil. (p. 130)

Condition
The engine is at operating temperature.
– Check the engine oil level.

Info
After switching off the engine, wait one minute before checking the level.

The engine oil level is between the middle of the level viewer A and the upper edge of the level viewer B.
» If the engine oil does not reach the middle of level viewer A:
  – Add engine oil. (p. 130)

17.3 Changing the engine oil and oil filter, cleaning the oil screen

Warning
Danger of scalding Engine and gear oil get very hot when the motorcycle is ridden.
– Wear suitable protective clothing and safety gloves.
– In the event of scalding, rinse the area affected immediately with lukewarm water.

Note
Environmental hazard Hazardous substances cause environmental damage.
– Dispose of oils, grease, filters, fuel, cleaning agents, brake fluid, etc., correctly and in compliance with the applicable regulations.

Info
Drain the engine oil while the engine is at operating temperature.

Preparatory work
– Park the motorcycle on a level surface.
Main work

- Position an appropriate container under the engine.
- Remove oil drain plug 1 with the magnet and seal ring.

**Info**

Do not remove screws 2.

- Remove screw plug 3 with oil screen 4.
- Allow the engine oil to drain completely.
- Thoroughly clean the parts and the sealing surfaces.

- Position oil screen 4 with the O-rings on a pin wrench.
- Position the pin wrench through the drill hole of the screw plug in the opposite section of the engine case.
- Push the oil screen all the way into the engine case.

- Mount and tighten screw plug 3 with the O-ring.

**Guideline**

<table>
<thead>
<tr>
<th>Screw plug, oil screen</th>
<th>M20x1.5</th>
<th>15 Nm (11.1 lbf ft)</th>
</tr>
</thead>
</table>

- Mount and tighten oil drain plug 1 with the magnet and a new seal ring.

**Guideline**

<table>
<thead>
<tr>
<th>Oil drain plug with magnet</th>
<th>M12x1.5</th>
<th>20 Nm (14.8 lbf ft)</th>
</tr>
</thead>
</table>

- Remove screws 5. Remove the oil filter cover with the O-ring.
- Pull oil filter 6 out of the oil filter housing.
  
  **Lock ring plier (51012011000)**
- Allow the engine oil to drain completely.
- Thoroughly clean the parts and the sealing surfaces.

- Lay the motorcycle on its side and fill the oil filter housing to about ⅓ full with engine oil.
- Fill the oil filter with engine oil and position the oil filter in the housing.
- Oil the O-ring of the oil filter cover and mount it together with oil filter cover 7.
- Mount and tighten the screws.

  **Guideline**

  | Screw, oil filter cover | M6 | 10 Nm (7.4 lbf ft) |

- Stand the motorcycle upright.
- Remove filler plug 8 with the O-ring, and fill up with engine oil.

| Engine oil | 1.0 l (1.1 qt.) | Engine oil (SAE 10W/50) (p. 149) |

  **Info**

  Too little engine oil or poor-quality engine oil will result in premature wear of the engine.

- Mount and tighten the filler plug together with the O-ring.

  **Danger**

  **Danger of poisoning** Exhaust gases are toxic and inhaling them may result in unconsciousness and death.
- Always make sure there is sufficient ventilation when running the engine.
- Use effective exhaust extraction when starting or running the engine in an enclosed space.

- Start the engine and check for leaks.

**Finishing work**
- Check the engine oil level. (p. 127)
17.4 Adding engine oil

Info
Too little engine oil or poor-quality engine oil will result in premature wear of the engine.

Main work
- Remove filler plug 1 with the O-ring.
- Add the same engine oil used when the last oil change was carried out.

| Engine oil (SAE 10W/50) (p. 149) |

Info
In order to achieve optimal engine oil performance, it is not advisable to mix different engine oils. Husqvarna Motorcycles recommends changing the engine oil.

- Mount and tighten the filler plug together with the O-ring.

Danger

Danger of poisoning
Exhaust gases are toxic and inhaling them may result in unconsciousness and death.
- Always make sure there is sufficient ventilation when running the engine.
- Use effective exhaust extraction when starting or running the engine in an enclosed space.

- Start the engine and check for leaks.

Finishing work
- Check the engine oil level. (p. 127)
18.1 Cleaning the motorcycle

Note
Material damage Components become damaged or destroyed if a pressure cleaner is used incorrectly. The high pressure forces water into the electrical components, connectors, throttle cables, and bearings, etc. Pressure which is too high causes malfunctions and destroys components.

– Do not direct the water jet directly on to electrical components, connectors, throttle cables or bearings.
– Maintain a minimum distance between the nozzle of the pressure cleaner and the component.
  Minimum clearance 60 cm (23.6 in)

Note
Environmental hazard Hazardous substances cause environmental damage.
– Dispose of oils, grease, filters, fuel, cleaning agents, brake fluid, etc., correctly and in compliance with the applicable regulations.

Info
To maintain the value and appearance of the motorcycle over a long period, clean it regularly. Avoid direct sunshine when cleaning the motorcycle.

– Close off exhaust system to keep water from entering.
– Remove loose dirt first with a soft jet of water.
– Spray the heavily soiled parts with a normal commercial motorcycle cleaner and clean using a brush.
  Motorcycle cleaner (p. 151)

Info
Use warm water containing normal motorcycle cleaner and a soft sponge. Never apply motorcycle cleaner to a dry vehicle; always rinse the vehicle with water first.

– After rinsing the motorcycle with a gentle spray of water, allow it to dry thoroughly.
– Remove the closure of the exhaust system.

Warning
Danger of accidents Moisture and dirt impair the brake system.
– Brake carefully several times to dry out and remove dirt from the brake linings and the brake discs.

– After cleaning, ride the vehicle a short distance until the engine warms up.

Info
The heat produced causes water at inaccessible locations in the engine and on the brake system to evaporate.
– Push back the protection caps of the handlebar controls to allow any water that has penetrated to evaporate.
– After the motorcycle has cooled down, lubricate all moving parts and pivot points.
– Clean the chain. (p. 76)
– Treat bare metal (except for brake discs and the exhaust system) with a corrosion inhibitor.

\[
\text{Preserving materials for paints, metal and rubber (p. 152)}
\]

– Treat all plastic parts and powder-coated parts with a mild cleaning and care product.

\[
\text{Special cleaner for glossy and matte paint finishes, metal and plastic surfaces (p. 152)}
\]
19.1 Storage

**Warning**  
**Danger of poisoning**  
Fuel is poisonous and a health hazard.
- Avoid skin, eye and clothing contact with fuel.
- Immediately consult a doctor if you swallow fuel.
- Do not inhale fuel vapors.
- In case of skin contact, rinse the affected area with plenty of water.
- Rinse the eyes thoroughly with water, and consult a doctor in case of fuel contact with the eyes.
- Change your clothing in case of fuel spills on them.
- Keep fuels correctly in a suitable canister, and out of the reach of children.

**Info**  
If you plan to garage the motorcycle for a longer period, perform the following steps or have them performed.

Before storing the motorcycle, check all parts for function and wear. If service, repairs, or replacements are necessary, you should do this during the storage period (less workshop overload). In this way, you can avoid long workshop waiting times at the start of the new season.

- When refueling for the last time before taking the motorcycle out of service, add fuel additive.
  
  **Fuel additive** ([p. 151](#))

- Refuel. ([p. 33](#))
- Clean the motorcycle. ([p. 131](#))
- Change the engine oil and oil filter, clean the oil screen. ([p. 127](#))
- Check the antifreeze and coolant level. ([p. 114](#))
- Check tire pressure. ([p. 107](#))
- Remove the 12-V battery. ([p. 109](#))
- Charge the 12 V battery. ([p. 110](#))

**Guideline**

<table>
<thead>
<tr>
<th>Ideal charging and storage temperature of the lithium-ion battery</th>
<th>10 ... 20 °C (50 ... 68 °F)</th>
</tr>
</thead>
</table>

- Store the vehicle in a dry location that is not subject to large fluctuations in temperature.

**Info**  
Husqvarna Motorcycles recommends raising the motorcycle.

- Raise the motorcycle with a lift stand. ([p. 51](#))
- Cover the vehicle with a tarp or similar cover that is permeable to air.
Info
Do not use non-porous materials since they prevent humidity from escaping, thus causing corrosion. Avoid running the engine for a short time only. Since the engine cannot warm up properly, the water vapor produced during combustion condenses and causes valves and the exhaust system to rust.

19.2 Preparing for use after storage

- Install the 12 V battery. (p. 110)
- Remove the motorcycle from the lift stand. (p. 51)
- Perform checks and maintenance measures when preparing for use. (p. 28)
- Make a test ride.
<table>
<thead>
<tr>
<th>Faults</th>
<th>Possible cause</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>The engine does not turn when the start button is pressed</td>
<td>Operating error</td>
<td>– Carry out start procedure. (p. 28)</td>
</tr>
<tr>
<td>12 V battery discharged</td>
<td>12 V battery discharged</td>
<td>– Charge the 12 V battery. (p. 110)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>– Check the charging voltage.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>– Check the open-circuit current.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>– Check the stator winding of the alternator.</td>
</tr>
<tr>
<td>Main fuse blown</td>
<td>Main fuse blown</td>
<td>– Change the main fuse. (p. 112)</td>
</tr>
<tr>
<td>Starter relay defective</td>
<td>Starter relay defective</td>
<td>– Check the starter relay.</td>
</tr>
<tr>
<td>Starter motor defective</td>
<td>Starter motor defective</td>
<td>– Check the starter motor.</td>
</tr>
<tr>
<td>Engine turns but does not start</td>
<td>Quick release coupling not joined</td>
<td>– Join quick release coupling.</td>
</tr>
<tr>
<td>Fuel screen in the quick release coupling is clogged</td>
<td>Fuel screen in the quick release coupling is clogged</td>
<td>– Change the fuel screen. (p. 125)</td>
</tr>
<tr>
<td>Idle speed is not set correctly</td>
<td>Idle speed is not set correctly</td>
<td>– Adjust the idle speed. (p. 122)</td>
</tr>
<tr>
<td>Spark plug oily or wet</td>
<td>Spark plug oily or wet</td>
<td>– Clean and dry the spark plug, or change it if necessary.</td>
</tr>
<tr>
<td>Plug gap of spark plug too wide</td>
<td>Plug gap of spark plug too wide</td>
<td>– Adjust plug gap.</td>
</tr>
<tr>
<td></td>
<td>Guideline</td>
<td>Spark plug electrode gap 0.8 mm (0.031 in)</td>
</tr>
<tr>
<td>Short-circuit cable in wiring harness frayed, switch-off button</td>
<td>Short-circuit cable in wiring harness frayed, switch-off button faulty</td>
<td>– Check the wiring harness. (visual check)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>– Check the electrical system.</td>
</tr>
<tr>
<td>Malfunction in the electronic fuel injection</td>
<td>Malfunction in the electronic fuel injection</td>
<td>– Read out the fault memory using the Husqvarna Motorcycles diagnostics tool.</td>
</tr>
<tr>
<td>Engine does not speed up</td>
<td>Malfunction in the electronic fuel injection</td>
<td>– Read out the fault memory using the Husqvarna Motorcycles diagnostics tool.</td>
</tr>
<tr>
<td>Engine has too little power</td>
<td>Air filter is very dirty</td>
<td>– Clean the air filter and air filter box. (p. 68)</td>
</tr>
<tr>
<td></td>
<td>Fuel filter is very dirty</td>
<td>– Change the fuel filter.</td>
</tr>
<tr>
<td>Malfunction in the electronic fuel injection</td>
<td>Malfunction in the electronic fuel injection</td>
<td>– Read out the fault memory using the Husqvarna Motorcycles diagnostics tool.</td>
</tr>
<tr>
<td>Exhaust system leaky, deformed or too little glass fiber yarn filling in main silencer</td>
<td>Exhaust system leaky, deformed or too little glass fiber yarn filling in main silencer</td>
<td>– Check exhaust system for damage.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>– Change the glass fiber yarn filling of the main silencer. (p. 69)</td>
</tr>
<tr>
<td>Valve clearance too little</td>
<td>Valve clearance too little</td>
<td>– Adjust the valve clearance.</td>
</tr>
<tr>
<td>Engine dies during the trip</td>
<td>Lack of fuel</td>
<td>– Refuel. (p. 33)</td>
</tr>
<tr>
<td>Engine overheats</td>
<td>Too little coolant in cooling system</td>
<td>– Check the cooling system for leakage.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>– Check the coolant level. (p. 115)</td>
</tr>
<tr>
<td>Too little air stream</td>
<td>Too little air stream</td>
<td>– Switch off the engine when standing.</td>
</tr>
<tr>
<td>Radiator fins very dirty</td>
<td>Radiator fins</td>
<td>– Clean radiator fins.</td>
</tr>
<tr>
<td>Foam formation in cooling system</td>
<td>Foam formation in cooling system</td>
<td>– Drain the coolant. (p. 116)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>– Refill the coolant. (p. 116)</td>
</tr>
<tr>
<td>Faults</td>
<td>Possible cause</td>
<td>Action</td>
</tr>
<tr>
<td>--------------------------------------------</td>
<td>------------------------------------</td>
<td>------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Engine overheats</td>
<td>Bent radiator hose</td>
<td>– Change the radiator hose.</td>
</tr>
</tbody>
</table>
| Malfunction indicator lamp lights up or flashes | Error in the electronic fuel injection | – Check the wiring for damage and the electrical plug-in connections for corrosion and damage.  
<p>|                                             |                                    | – Read out the fault memory using the Husqvarna Motorcycles diagnostics tool. |
| High oil consumption                       | Engine vent hose bent              | – Route the vent hose without bends or change it if necessary.         |
|                                            | Engine oil level too high           | – Check the engine oil level.                                          |
|                                            | Engine oil too thin (low viscosity) | – Change the engine oil and oil filter, clean the oil screen.          |
|                                            | Piston or cylinder worn             | – Measure the piston/cylinder mounting clearance.                      |
| 12 V battery discharged                    | 12 V battery is not charging       | – Check the charging voltage.                                          |
|                                            |                                    | – Check the stator winding of the alternator.                          |
|                                            | Unwanted power consumer            | – Check the open-circuit current.                                     |</p>
<table>
<thead>
<tr>
<th>Blink code for malfunction indicator lamp</th>
<th>Error level condition</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Code 02a" /> 02a Malfunction indicator lamp flashes 2x per second</td>
<td>Teaching of throttle valve position required</td>
</tr>
<tr>
<td><img src="image" alt="Code 02" /> 02 Malfunction indicator lamp flashes 2x short</td>
<td>Crankshaft speed sensor – circuit fault</td>
</tr>
<tr>
<td><img src="image" alt="Code 06" /> 06 Malfunction indicator lamp flashes 6x short</td>
<td>Throttle valve position sensor circuit A – circuit fault</td>
</tr>
<tr>
<td>Throttle valve position sensor circuit A – input signal too high</td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="Code 09" /> 09 Malfunction indicator lamp flashes 9x short</td>
<td>Induction manifold pressure sensor – circuit fault</td>
</tr>
<tr>
<td>Induction manifold pressure sensor – input signal too low</td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="Code 12" /> 12 Malfunction indicator lamp flashes 1x long, 2x short</td>
<td>Coolant temperature sensor – circuit fault</td>
</tr>
<tr>
<td>Coolant temperature sensor – input signal too low</td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="Code 13" /> 13 Malfunction indicator lamp flashes 1x long, 3x short</td>
<td>Intake air temperature sensor – circuit fault</td>
</tr>
<tr>
<td>Intake air temperature sensor – input signal too low</td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="Code 15" /> 15 Malfunction indicator lamp flashes 1x long, 5x short</td>
<td>Tilt sensor – input signal too low</td>
</tr>
<tr>
<td>Tilt sensor – input signal too high</td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="Code 21" /> 21 Malfunction indicator lamp flashes 2x long, 1x short</td>
<td>Battery voltage – input voltage too high</td>
</tr>
<tr>
<td><img src="image" alt="Code 22" /> 22 Malfunction indicator lamp flashes 2x long, 2x short</td>
<td>Gear position sensor – circuit fault</td>
</tr>
<tr>
<td>Gear position sensor – input signal too high</td>
<td></td>
</tr>
<tr>
<td>Gear position sensor – malfunction</td>
<td></td>
</tr>
<tr>
<td>Blink code for malfunction indicator lamp</td>
<td>Error level condition</td>
</tr>
<tr>
<td>----------------------------------------</td>
<td>----------------------</td>
</tr>
<tr>
<td>33 Malfunction indicator lamp flashes 3x long, 3x short</td>
<td>Injection valve cylinder 1 – circuit fault</td>
</tr>
<tr>
<td>37 Malfunction indicator lamp flashes 3x long, 7x short</td>
<td>Ignition coil – circuit fault</td>
</tr>
<tr>
<td>41 Malfunction indicator lamp flashes 4x long, 1x short</td>
<td>Fuel pump controller – short circuit to ground/open circuit</td>
</tr>
<tr>
<td></td>
<td>Fuel pump controller – open circuit/short circuit to plus</td>
</tr>
<tr>
<td>65 Malfunction indicator lamp flashes 6x long, 5x short</td>
<td>EEPROM error</td>
</tr>
<tr>
<td>Malfunction indicator lamp flashes continuously</td>
<td>THREF – malfunction</td>
</tr>
</tbody>
</table>
### 22.1 Engine

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Design</strong></td>
<td>1-cylinder 4-stroke engine, water-cooled</td>
</tr>
<tr>
<td><strong>Displacement</strong></td>
<td>349.7 cm³ (21.34 cu in)</td>
</tr>
<tr>
<td><strong>Stroke</strong></td>
<td>57.5 mm (2.264 in)</td>
</tr>
<tr>
<td><strong>Bore</strong></td>
<td>88 mm (3.46 in)</td>
</tr>
<tr>
<td><strong>Compression ratio</strong></td>
<td>14.2:1</td>
</tr>
<tr>
<td><strong>Idle speed</strong></td>
<td>2,250 … 2,350 rpm</td>
</tr>
<tr>
<td><strong>Control</strong></td>
<td>DOHC, four valves controlled via cam lever, drive via timing chain</td>
</tr>
<tr>
<td><strong>Valve diameter, intake</strong></td>
<td>36.3 mm (1.429 in)</td>
</tr>
<tr>
<td><strong>Valve diameter, exhaust</strong></td>
<td>29.1 mm (1.146 in)</td>
</tr>
<tr>
<td><strong>Valve clearance</strong></td>
<td></td>
</tr>
<tr>
<td>Intake at: 20 °C (68 °F)</td>
<td>0.08 … 0.15 mm (0.0031 … 0.0059 in)</td>
</tr>
<tr>
<td>Exhaust at: 20 °C (68 °F)</td>
<td>0.12 … 0.19 mm (0.0047 … 0.0075 in)</td>
</tr>
<tr>
<td><strong>Crankshaft bearing</strong></td>
<td>2 cylinder bearings</td>
</tr>
<tr>
<td><strong>Conrod bearing</strong></td>
<td>Plain bearing</td>
</tr>
<tr>
<td><strong>Piston pin bearing</strong></td>
<td>Bearing bush</td>
</tr>
<tr>
<td><strong>Pistons</strong></td>
<td>Forged light alloy</td>
</tr>
<tr>
<td><strong>Piston rings</strong></td>
<td>1 compression ring, 1 oil scraper ring</td>
</tr>
<tr>
<td><strong>Engine lubrication</strong></td>
<td>Pressure circulation lubrication with 2 trochoidal pumps</td>
</tr>
<tr>
<td><strong>Primary transmission</strong></td>
<td>24:73</td>
</tr>
<tr>
<td><strong>Clutch</strong></td>
<td>Multidisc clutch in oil bath/hydraulically activated</td>
</tr>
<tr>
<td><strong>Gearbox (FC 350 EU, FC 350 US)</strong></td>
<td>5 gear transmission, claw shifted</td>
</tr>
<tr>
<td><strong>Gearbox (FX 350)</strong></td>
<td>6 gear transmission, claw shifted</td>
</tr>
<tr>
<td><strong>Transmission ratio (FC 350 EU, FC 350 US)</strong></td>
<td></td>
</tr>
<tr>
<td>1st gear</td>
<td>14:28</td>
</tr>
<tr>
<td>2nd gear</td>
<td>16:26</td>
</tr>
<tr>
<td>3rd gear</td>
<td>18:24</td>
</tr>
<tr>
<td>4th gear</td>
<td>21:24</td>
</tr>
<tr>
<td>5th gear</td>
<td>22:21</td>
</tr>
<tr>
<td><strong>Transmission ratio (FX 350)</strong></td>
<td></td>
</tr>
<tr>
<td>1st gear</td>
<td>15:31</td>
</tr>
<tr>
<td>2nd gear</td>
<td>16:25</td>
</tr>
<tr>
<td>3rd gear</td>
<td>20:25</td>
</tr>
<tr>
<td>4th gear</td>
<td>22:23</td>
</tr>
<tr>
<td>5th gear</td>
<td>25:22</td>
</tr>
<tr>
<td>6th gear</td>
<td>26:20</td>
</tr>
<tr>
<td><strong>Alternator</strong></td>
<td>12 V, 70 W</td>
</tr>
<tr>
<td><strong>Ignition</strong></td>
<td>Contactless controlled fully electronic ignition with digital ignition adjustment</td>
</tr>
<tr>
<td><strong>Spark plug</strong></td>
<td>NGK LMAR9AI-8</td>
</tr>
<tr>
<td><strong>Spark plug electrode gap</strong></td>
<td>0.8 mm (0.031 in)</td>
</tr>
<tr>
<td><strong>Cooling</strong></td>
<td>Water cooling, permanent circulation of coolant by water pump</td>
</tr>
</tbody>
</table>
## 22.2 Engine tightening torques

<table>
<thead>
<tr>
<th>Component Description</th>
<th>Screw Size</th>
<th>Torque (N·m)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nozzle, crank chamber ventilation</td>
<td>M4</td>
<td>2 Nm (1.5 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Oil nozzle for alternator cooling</td>
<td>M4</td>
<td>2 Nm (1.5 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Oil nozzle for balancer shaft lubrication</td>
<td>M4</td>
<td>2 Nm (1.5 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Oil nozzle for clutch lubrication</td>
<td>M4</td>
<td>2 Nm (1.5 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Oil nozzle for conrod bearing lubrication</td>
<td>M4</td>
<td>2 Nm (1.5 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Oil nozzle for main bearing lubrication</td>
<td>M4</td>
<td>2 Nm (1.5 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Screw, oil jet for piston cooling</td>
<td>M4</td>
<td>2.5 Nm (1.84 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Locking screw for bearing</td>
<td>M5</td>
<td>6 Nm (4.4 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Oil channel screw plug in alternator cover</td>
<td>M5</td>
<td>2 Nm (1.5 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Oil nozzle for cam lever lubrication</td>
<td>M5</td>
<td>3 Nm (2.2 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Oil nozzle, piston cooling</td>
<td>M5</td>
<td>2 Nm (1.5 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Screw, bearing bolt, oil pump idler gear</td>
<td>M5</td>
<td>6 Nm (4.4 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Screw, clutch spring retainer</td>
<td>M5</td>
<td>6 Nm (4.4 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Screw, crankshaft speed sensor</td>
<td>M5</td>
<td>6 Nm (4.4 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Screw, gear position sensor</td>
<td>M5</td>
<td>5 Nm (3.7 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Screw, locking lever</td>
<td>M5</td>
<td>6 Nm (4.4 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Screw, oil pump cover</td>
<td>M5</td>
<td>6 Nm (4.4 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Screw, stator</td>
<td>M5</td>
<td>6 Nm (4.4 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Nut, cylinder head</td>
<td>M6</td>
<td>10 Nm (7.4 lbf ft)</td>
<td>Lubricated with engine oil Loctite®243™</td>
</tr>
<tr>
<td>Nut, water pump impeller</td>
<td>M6</td>
<td>6 Nm (4.4 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Screw, alternator cover</td>
<td>M6</td>
<td>10 Nm (7.4 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Screw, clutch cover</td>
<td>M6</td>
<td>10 Nm (7.4 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Screw, clutch slave cylinder</td>
<td>M6</td>
<td>10 Nm (7.4 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Screw, engine case</td>
<td>M6</td>
<td>10 Nm (7.4 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Screw, exhaust flange</td>
<td>M6</td>
<td>10 Nm (7.4 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Component</td>
<td>Size</td>
<td>Torque</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------------------------------------------</td>
<td>--------</td>
<td>-----------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>Screw, guide rail</td>
<td>M6</td>
<td>10 Nm (7.4 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Screw, oil filter cover</td>
<td>M6</td>
<td>10 Nm (7.4 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Screw, shift drum locating</td>
<td>M6</td>
<td>10 Nm (7.4 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Screw, shift lever</td>
<td>M6</td>
<td>14 Nm (10.3 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Screw, starter motor</td>
<td>M6</td>
<td>10 Nm (7.4 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Screw, timing chain failure protection</td>
<td>M6</td>
<td>10 Nm (7.4 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Screw, valve cover</td>
<td>M6</td>
<td>8 Nm (5.9 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Screw, oil filter cover</td>
<td>M6</td>
<td>10 Nm (7.4 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Stud, cylinder head</td>
<td>M6</td>
<td>10 Nm (7.4 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Screw, auto decompression</td>
<td>M7x1</td>
<td>15 Nm (11.1 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Screw, camshaft bearing bridge</td>
<td>M7x1</td>
<td>Tightening sequence: Tighten diagonally. 1st tightening stage 5 Nm (3.7 lbf ft) 2nd tightening stage 14 Nm (10.3 lbf ft) Lubricated with engine oil Loctite®243™</td>
<td></td>
</tr>
<tr>
<td>Crankshaft clamp screw plug</td>
<td>M8</td>
<td>10 Nm (7.4 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Screw, tensioning rail</td>
<td>M8</td>
<td>15 Nm (11.1 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Screw, engine sprocket</td>
<td>M10</td>
<td>60 Nm (44.3 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Plug, oil channel</td>
<td>M10x1</td>
<td>15 Nm (11.1 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Screw plug, cam lever axis</td>
<td>M10x1</td>
<td>10 Nm (7.4 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Screw, rotor</td>
<td>M10x1</td>
<td>70 Nm (51.6 lbf ft) Collar and thread oiled / cone degreased Loctite®243™</td>
<td></td>
</tr>
<tr>
<td>Screw, unlocking of timing chain tensioner</td>
<td>M10x1</td>
<td>8 Nm (5.9 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Spark plug</td>
<td>M10x1</td>
<td>12 Nm (8.9 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Coolant temperature sensor</td>
<td>M10x1.25</td>
<td>12 Nm (8.9 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Nut, cylinder head</td>
<td>M10x1.25</td>
<td>Tightening sequence: Tighten diagonally. 1st tightening stage 10 Nm (7.4 lbf ft) 2nd tightening stage 30 Nm (22.1 lbf ft) 3rd tightening stage 180° Loctite®243™</td>
<td></td>
</tr>
<tr>
<td>Stud, cylinder head</td>
<td>M10x1.25</td>
<td>20 Nm (14.8 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Oil drain plug with magnet</td>
<td>M12x1.5</td>
<td>20 Nm (14.8 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Screw plug, oil pressure control valve</td>
<td>M12x1.5</td>
<td>20 Nm (14.8 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Oil drain plug</td>
<td>M14x1.5</td>
<td>15 Nm (11.1 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
</tbody>
</table>
### 22 TECHNICAL DATA

<table>
<thead>
<tr>
<th>Component</th>
<th>Thread Size</th>
<th>Torque</th>
<th>Product Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nut, inner clutch hub</td>
<td>M18x1.5</td>
<td>100 Nm (73.8 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Nut, primary gear wheel</td>
<td>M18LHx1.5</td>
<td>120 Nm (88.5 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Screw plug, oil screen</td>
<td>M20x1.5</td>
<td>15 Nm (11.1 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Plug, timing chain tensioner</td>
<td>M24x1.5</td>
<td>40 Nm (29.5 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Screw, alternator cover</td>
<td>M24x1.5</td>
<td>18 Nm (13.3 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
<tr>
<td>Fixing nut for main bearing inner ring</td>
<td>M27x1</td>
<td>60 Nm (44.3 lbf ft)</td>
<td>Loctite®243™</td>
</tr>
</tbody>
</table>

#### 22.3 Capacities

##### 22.3.1 Engine oil

<table>
<thead>
<tr>
<th>Component</th>
<th>Capacity</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine oil</td>
<td>1.0 l (1.1 qt.)</td>
<td>SAE 10W/50 (p. 149)</td>
</tr>
</tbody>
</table>

##### 22.3.2 Coolant

<table>
<thead>
<tr>
<th>Component</th>
<th>Capacity</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coolant</td>
<td>0.95 l (1 qt.)</td>
<td>(p. 149)</td>
</tr>
</tbody>
</table>

##### 22.3.3 Fuel

<table>
<thead>
<tr>
<th>Component</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Super unleaded (ROZ 95/RON 95/PON 91)</td>
<td>6.8 l (1.8 US gal)</td>
</tr>
<tr>
<td>Total fuel tank capacity, approx. (FX 350)</td>
<td>8.5 l (2.25 US gal)</td>
</tr>
</tbody>
</table>

#### 22.4 Chassis

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frame</td>
<td>Central tube frame made of chrome molybdenum steel tubing</td>
</tr>
<tr>
<td>Fork (FC 350 EU)</td>
<td>WP XACT 5448</td>
</tr>
<tr>
<td>Fork (FC 350 US)</td>
<td>WP XACT 5448</td>
</tr>
<tr>
<td>Fork (FX 350)</td>
<td>WP XACT 5448</td>
</tr>
<tr>
<td>Suspension travel</td>
<td></td>
</tr>
<tr>
<td>front</td>
<td>300 mm (11.81 in)</td>
</tr>
<tr>
<td>rear</td>
<td>293 mm (11.54 in)</td>
</tr>
<tr>
<td>Fork offset</td>
<td>22 mm (0.87 in)</td>
</tr>
<tr>
<td>Shock absorber (FC 350 EU)</td>
<td>WP XACT 5750</td>
</tr>
<tr>
<td>Shock absorber (FC 350 US)</td>
<td>WP XACT 5750</td>
</tr>
<tr>
<td>Shock absorber (FX 350)</td>
<td>WP XACT 5750</td>
</tr>
<tr>
<td>Brake system</td>
<td>Disc brakes, floating brake calipers</td>
</tr>
<tr>
<td>Brake discs - diameter</td>
<td></td>
</tr>
<tr>
<td>front</td>
<td>260 mm (10.24 in)</td>
</tr>
<tr>
<td>rear</td>
<td>220 mm (8.66 in)</td>
</tr>
<tr>
<td>Brake discs - wear limit</td>
<td></td>
</tr>
<tr>
<td>front</td>
<td>2.5 mm (0.098 in)</td>
</tr>
<tr>
<td>rear</td>
<td>3.5 mm (0.138 in)</td>
</tr>
<tr>
<td>Offroad tire pressure</td>
<td></td>
</tr>
</tbody>
</table>

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TECHNICAL DATA

Front 1.0 bar (15 psi)
Rear 1.0 bar (15 psi)
Secondary ratio 14:51
Chain 5/8 x 1/4"
Rear sprockets available 48, 50, 52
Steering head angle 63.9°
Wheelbase 1,485 ± 10 mm (58.46 ± 0.39 in)
Seat height, unloaded 940 mm (37.01 in)
Ground clearance, unloaded 370 mm (14.57 in)
Weight without fuel, approx. (FC 350 EU, FC 350 US) 100.4 kg (221.3 lb.)
Weight without fuel, approx. (FX 350) 100.5 kg (221.6 lb.)
Maximum permissible front axle load 145 kg (320 lb.)
Maximum permissible rear axle load 190 kg (419 lb.)
Maximum permissible overall weight 335 kg (739 lb.)

22.5 Electrical system

<table>
<thead>
<tr>
<th>12 V battery</th>
<th>HJTZ5S-FP-C</th>
<th>Lithium-ion battery</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery voltage</td>
<td>12 V</td>
<td>Nominal capacity: 2.0 Ah</td>
</tr>
<tr>
<td>Maintenance-free</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fuse</td>
<td>58011109110</td>
<td>10 A</td>
</tr>
<tr>
<td>Malfunction indicator lamp</td>
<td>LED</td>
<td></td>
</tr>
<tr>
<td>Remaining indicator lamps (FX 350)</td>
<td>W2.3W / socket W2x4.6d</td>
<td>12 V 2.3 W</td>
</tr>
</tbody>
</table>

22.6 Tires

<table>
<thead>
<tr>
<th>Validity</th>
<th>Front tire</th>
<th>Rear tire</th>
</tr>
</thead>
<tbody>
<tr>
<td>(FC 350 EU, FC 350 US)</td>
<td>80/100 - 21 51M TT Dunlop GEOMAX MX-3S F</td>
<td>110/90 - 19 62M TT Dunlop GEOMAX MX-3S</td>
</tr>
<tr>
<td>(FX 350)</td>
<td>80/100 - 21 54M TT Dunlop GEOMAX AT81F</td>
<td>110/100 - 18 64M TT Dunlop GEOMAX AT81</td>
</tr>
</tbody>
</table>

The tires specified represent one of the possible series production tires. Additional information is available in the Service section under: www.husqvarna-motorcycles.com

22.7 Fork

22.7.1 FC 350 EU

<table>
<thead>
<tr>
<th>Fork article number</th>
<th>34.15.8U.07</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fork</td>
<td>WP XACT 5448</td>
</tr>
<tr>
<td>Compression damping</td>
<td></td>
</tr>
<tr>
<td>Comfort</td>
<td>17 clicks</td>
</tr>
<tr>
<td>Standard</td>
<td>12 clicks</td>
</tr>
<tr>
<td>Sport</td>
<td>7 clicks</td>
</tr>
<tr>
<td>Rebound damping</td>
<td></td>
</tr>
<tr>
<td>Comfort</td>
<td>17 clicks</td>
</tr>
</tbody>
</table>
### 22 TECHNICAL DATA

<table>
<thead>
<tr>
<th>Standard</th>
<th>12 clicks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sport</td>
<td>7 clicks</td>
</tr>
<tr>
<td>Air pressure</td>
<td>10.4 bar (151 psi)</td>
</tr>
<tr>
<td>Fork length</td>
<td>940 mm (37.01 in)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Oil capacity external mechanism right</th>
<th>230 (\pm) 10 ml (7.78 (\pm) 0.34 fl. oz.)</th>
<th>Fork oil (SAE 4) (48601166S1) (p. 150)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oil capacity external mechanism left</td>
<td>230 (\pm) 10 ml (7.78 (\pm) 0.34 fl. oz.)</td>
<td>Fork oil (SAE 4) (48601166S1) (p. 150)</td>
</tr>
<tr>
<td>Oil capacity, right cartridge</td>
<td>370 ml (12.51 fl. oz.)</td>
<td>Fork oil (SAE 4) (48601166S1) (p. 150)</td>
</tr>
<tr>
<td>Grease capacity, left cartridge</td>
<td>5 g (0.18 oz)</td>
<td>Multi-purpose grease (00062010051) (p. 151)</td>
</tr>
</tbody>
</table>

#### 22.7.2 FC 350 US

<table>
<thead>
<tr>
<th>Fork article number</th>
<th>34.15.8U.57</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fork</td>
<td>WP XACT 5448</td>
</tr>
<tr>
<td>Compression damping</td>
<td></td>
</tr>
<tr>
<td>Comfort</td>
<td>17 clicks</td>
</tr>
<tr>
<td>Standard</td>
<td>12 clicks</td>
</tr>
<tr>
<td>Sport</td>
<td>7 clicks</td>
</tr>
<tr>
<td>Rebound damping</td>
<td></td>
</tr>
<tr>
<td>Comfort</td>
<td>23 clicks</td>
</tr>
<tr>
<td>Standard</td>
<td>18 clicks</td>
</tr>
<tr>
<td>Sport</td>
<td>13 clicks</td>
</tr>
<tr>
<td>Air pressure</td>
<td>10.6 bar (154 psi)</td>
</tr>
<tr>
<td>Fork length</td>
<td>940 mm (37.01 in)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Oil capacity external mechanism right</th>
<th>230 (\pm) 10 ml (7.78 (\pm) 0.34 fl. oz.)</th>
<th>Fork oil (SAE 4) (48601166S1) (p. 150)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oil capacity external mechanism left</td>
<td>230 (\pm) 10 ml (7.78 (\pm) 0.34 fl. oz.)</td>
<td>Fork oil (SAE 4) (48601166S1) (p. 150)</td>
</tr>
<tr>
<td>Oil capacity, right cartridge</td>
<td>370 ml (12.51 fl. oz.)</td>
<td>Fork oil (SAE 4) (48601166S1) (p. 150)</td>
</tr>
<tr>
<td>Grease capacity, left cartridge</td>
<td>5 g (0.18 oz)</td>
<td>Multi-purpose grease (00062010051) (p. 151)</td>
</tr>
</tbody>
</table>

#### 22.7.3 FX 350

<table>
<thead>
<tr>
<th>Fork article number</th>
<th>34.18.8U.77</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fork</td>
<td>WP XACT 5448</td>
</tr>
<tr>
<td>Compression damping</td>
<td></td>
</tr>
<tr>
<td>Comfort</td>
<td>17 clicks</td>
</tr>
<tr>
<td>Standard</td>
<td>12 clicks</td>
</tr>
<tr>
<td>Sport</td>
<td>7 clicks</td>
</tr>
<tr>
<td>Rebound damping</td>
<td></td>
</tr>
<tr>
<td>Comfort</td>
<td>23 clicks</td>
</tr>
<tr>
<td>Standard</td>
<td>18 clicks</td>
</tr>
</tbody>
</table>
### 22.8 Shock absorber

#### 22.8.1 FC 350 EU

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shock absorber article number</td>
<td>18.15.7U.07</td>
</tr>
<tr>
<td>Shock absorber</td>
<td>WP XACT 5750</td>
</tr>
<tr>
<td>Lowspeed compression damping</td>
<td></td>
</tr>
<tr>
<td>Comfort</td>
<td>17 clicks</td>
</tr>
<tr>
<td>Standard</td>
<td>15 clicks</td>
</tr>
<tr>
<td>Sport</td>
<td>13 clicks</td>
</tr>
<tr>
<td>Highspeed compression damping</td>
<td></td>
</tr>
<tr>
<td>Comfort</td>
<td>2 turns</td>
</tr>
<tr>
<td>Standard</td>
<td>1.5 turns</td>
</tr>
<tr>
<td>Sport</td>
<td>1 turn</td>
</tr>
<tr>
<td>Rebound damping</td>
<td></td>
</tr>
<tr>
<td>Comfort</td>
<td>17 clicks</td>
</tr>
<tr>
<td>Standard</td>
<td>15 clicks</td>
</tr>
<tr>
<td>Sport</td>
<td>13 clicks</td>
</tr>
<tr>
<td>Spring preload</td>
<td>8 mm (0.31 in)</td>
</tr>
<tr>
<td>Spring rate</td>
<td></td>
</tr>
<tr>
<td>Weight of rider: 65 … 75 kg (143 … 165 lb.)</td>
<td>39 N/mm (223 lb/in)</td>
</tr>
<tr>
<td>Weight of rider: 75 … 85 kg (165 … 187 lb.)</td>
<td>42 N/mm (240 lb/in)</td>
</tr>
<tr>
<td>Weight of rider: 85 … 95 kg (187 … 209 lb.)</td>
<td>45 N/mm (257 lb/in)</td>
</tr>
<tr>
<td>Spring length</td>
<td>260 mm (10.24 in)</td>
</tr>
<tr>
<td>Gas pressure</td>
<td>10 bar (145 psi)</td>
</tr>
<tr>
<td>Static sag</td>
<td>35 mm (1.38 in)</td>
</tr>
<tr>
<td>Riding sag</td>
<td>105 mm (4.13 in)</td>
</tr>
<tr>
<td>Fitted length</td>
<td>477 mm (18.78 in)</td>
</tr>
</tbody>
</table>

#### 22.8.2 FC 350 US

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shock absorber article number</td>
<td>18.15.7U.57</td>
</tr>
<tr>
<td>Shock absorber</td>
<td>WP XACT 5750</td>
</tr>
</tbody>
</table>

Shock absorber oil: Shock absorber fluid (SAE 2.5) (50180751S1) (p. 150)
<table>
<thead>
<tr>
<th><strong>Lowspeed compression damping</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Comfort</strong></td>
<td>17 clicks</td>
</tr>
<tr>
<td><strong>Standard</strong></td>
<td>15 clicks</td>
</tr>
<tr>
<td><strong>Sport</strong></td>
<td>13 clicks</td>
</tr>
<tr>
<td><strong>Highspeed compression damping</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Comfort</strong></td>
<td>2.5 turns</td>
</tr>
<tr>
<td><strong>Standard</strong></td>
<td>2 turns</td>
</tr>
<tr>
<td><strong>Sport</strong></td>
<td>1.5 turns</td>
</tr>
<tr>
<td><strong>Rebound damping</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Comfort</strong></td>
<td>17 clicks</td>
</tr>
<tr>
<td><strong>Standard</strong></td>
<td>15 clicks</td>
</tr>
<tr>
<td><strong>Sport</strong></td>
<td>13 clicks</td>
</tr>
<tr>
<td><strong>Spring preload</strong></td>
<td>7 mm (0.28 in)</td>
</tr>
<tr>
<td><strong>Spring rate</strong></td>
<td></td>
</tr>
<tr>
<td>Weight of rider: 65 ... 75 kg (143 ... 165 lb.)</td>
<td>39 N/mm (223 lb/in)</td>
</tr>
<tr>
<td>Weight of rider: 75 ... 85 kg (165 ... 187 lb.)</td>
<td>42 N/mm (240 lb/in)</td>
</tr>
<tr>
<td>Weight of rider: 85 ... 95 kg (187 ... 209 lb.)</td>
<td>45 N/mm (257 lb/in)</td>
</tr>
<tr>
<td>Spring length</td>
<td>260 mm (10.24 in)</td>
</tr>
<tr>
<td>Gas pressure</td>
<td>10 bar (145 psi)</td>
</tr>
<tr>
<td>Static sag</td>
<td>35 mm (1.38 in)</td>
</tr>
<tr>
<td>Riding sag</td>
<td>105 mm (4.13 in)</td>
</tr>
<tr>
<td>Fitted length</td>
<td>477 mm (18.78 in)</td>
</tr>
</tbody>
</table>

| **Shock absorber oil** | Shock absorber fluid (SAE 2.5) (50180751S1) (p. 150) |

### 22.8.3 FX 350

<p>| <strong>Shock absorber article number</strong> | 18.18.7U.77 |
| <strong>Shock absorber</strong>               | WP XACT 5750 |
| <strong>Lowspeed compression damping</strong> |  |
| <strong>Comfort</strong>                      | 17 clicks |
| <strong>Standard</strong>                     | 15 clicks |
| <strong>Sport</strong>                        | 13 clicks |
| <strong>Highspeed compression damping</strong>|  |
| <strong>Comfort</strong>                      | 2.5 turns |
| <strong>Standard</strong>                     | 2 turns |
| <strong>Sport</strong>                        | 1.5 turns |
| <strong>Rebound damping</strong>              |  |
| <strong>Comfort</strong>                      | 17 clicks |
| <strong>Standard</strong>                     | 15 clicks |
| <strong>Sport</strong>                        | 13 clicks |
| <strong>Spring preload</strong>               | 7 mm (0.28 in) |
| <strong>Spring rate</strong>                  |  |
| Weight of rider: 65 ... 75 kg (143 ... 165 lb.) | 39 N/mm (223 lb/in) |
| Weight of rider: 75 ... 85 kg (165 ... 187 lb.) | 42 N/mm (240 lb/in) |
| Weight of rider: 85 ... 95 kg (187 ... 209 lb.) | 45 N/mm (257 lb/in) |</p>
<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring length</td>
<td>260 mm (10.24 in)</td>
</tr>
<tr>
<td>Gas pressure</td>
<td>10 bar (145 psi)</td>
</tr>
<tr>
<td>Static sag</td>
<td>35 mm (1.38 in)</td>
</tr>
<tr>
<td>Riding sag</td>
<td>105 mm (4.13 in)</td>
</tr>
<tr>
<td>Fitted length</td>
<td>477 mm (18.78 in)</td>
</tr>
<tr>
<td>Shock absorber oil</td>
<td>Shock absorber fluid (SAE 2.5) (50180751S1) (p. 150)</td>
</tr>
</tbody>
</table>

### 22.9 Chassis tightening torques

<table>
<thead>
<tr>
<th>Component</th>
<th>Torque (Nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screw, air filter box EJOT PT® K70x25</td>
<td>5 Nm (3.7 lbf ft)</td>
</tr>
<tr>
<td>Screw, combination switch EJOT PT® K50x18</td>
<td>2 Nm (1.5 lbf ft)</td>
</tr>
<tr>
<td>Screw, intake air temperature sensor EJOT DELTA PT® 45x12-Z</td>
<td>0.7 Nm (0.52 lbf ft)</td>
</tr>
<tr>
<td>Fitting, start button</td>
<td>1 Nm (0.7 lbf ft)</td>
</tr>
<tr>
<td>Fitting, switch-off button</td>
<td>1 Nm (0.7 lbf ft)</td>
</tr>
<tr>
<td>Fitting, inlet sleeve to throttle valve body</td>
<td>5 Nm (3.7 lbf ft)</td>
</tr>
<tr>
<td>Screw, fixed grip M4</td>
<td>5 Nm (3.7 lbf ft)</td>
</tr>
<tr>
<td>Screw, service hour counter M4</td>
<td>1 Nm (0.7 lbf ft)</td>
</tr>
<tr>
<td>Screw, throttle valve body hose clamp M4</td>
<td>2.8 Nm (2.07 lbf ft)</td>
</tr>
<tr>
<td>Spoke nipple, front wheel M4.5</td>
<td>6 Nm (4.4 lbf ft)</td>
</tr>
<tr>
<td>Spoke nipple, rear wheel M4.5</td>
<td>6 Nm (4.4 lbf ft)</td>
</tr>
<tr>
<td>Remaining nuts, chassis M5</td>
<td>5 Nm (3.7 lbf ft)</td>
</tr>
<tr>
<td>Remaining screws, chassis M5</td>
<td>5 Nm (3.7 lbf ft)</td>
</tr>
<tr>
<td>Screw, battery terminal M5</td>
<td>2.5 Nm (1.84 lbf ft)</td>
</tr>
<tr>
<td>Screw, frame protector M5</td>
<td>3 Nm (2.2 lbf ft)</td>
</tr>
<tr>
<td>Screw, shock absorber adjusting ring M5</td>
<td>5 Nm (3.7 lbf ft)</td>
</tr>
<tr>
<td>Screw, throttle valve body cover M5</td>
<td>2.6 Nm (1.92 lbf ft)</td>
</tr>
<tr>
<td>Nut, cable on starter motor M6</td>
<td>4 Nm (3 lbf ft)</td>
</tr>
<tr>
<td>Nut, throttle cable on throttle valve body M6</td>
<td>3 Nm (2.2 lbf ft)</td>
</tr>
<tr>
<td>Remaining nuts, chassis M6</td>
<td>10 Nm (7.4 lbf ft)</td>
</tr>
<tr>
<td>Remaining screws, chassis M6</td>
<td>10 Nm (7.4 lbf ft)</td>
</tr>
<tr>
<td>Screw, ball joint of push rod on foot brake cylinder M6</td>
<td>10 Nm (7.4 lbf ft)</td>
</tr>
<tr>
<td>Screw, chain sliding guard M6</td>
<td>6 Nm (4.4 lbf ft)</td>
</tr>
<tr>
<td>Screw, front brake disc M6</td>
<td>14 Nm (10.3 lbf ft)</td>
</tr>
<tr>
<td>Screw, indicator lamp bracket M6</td>
<td>5 Nm (3.7 lbf ft)</td>
</tr>
<tr>
<td>Screw, rear brake disc M6</td>
<td>14 Nm (10.3 lbf ft)</td>
</tr>
<tr>
<td>Screw, throttle grip M6</td>
<td>5 Nm (3.7 lbf ft)</td>
</tr>
</tbody>
</table>
## TECHNICAL DATA

<table>
<thead>
<tr>
<th>Component</th>
<th>Thread Size</th>
<th>Torque (Nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel connection on fuel tank</td>
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<td>20 (14.8 lbf ft)</td>
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<tr>
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<td>M8</td>
<td>25 (18.4 lbf ft)</td>
</tr>
<tr>
<td>Remaining screws, chassis</td>
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<td>25 (18.4 lbf ft)</td>
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<td>15 (11.1 lbf ft)</td>
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<td>25 (18.4 lbf ft)</td>
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<tr>
<td>Remaining screws, chassis</td>
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<td>45 (33.2 lbf ft)</td>
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<td>60 (44.3 lbf ft)</td>
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<td>Screw, top steering head</td>
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<td>M24x1.5</td>
<td>18 (13.3 lbf ft)</td>
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<tr>
<td>Nut, rear wheel spindle</td>
<td>M25x1.5</td>
<td>80 (59 lbf ft)</td>
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Brake fluid DOT 4 / DOT 5.1

Standard/classification
- DOT

Guideline
- Use only brake fluid that complies with the specified standard (see specifications on the container) and that exhibits the corresponding properties.

Recommended supplier
- Castrol
  - REACT PERFORMANCE DOT 4
- MOTOREX®
  - Brake Fluid DOT 5.1

Coolant

Guideline
- Only use high-grade, silicate-free coolant with corrosion inhibitor additive for aluminum motors. Low grade and unsuitable antifreeze causes corrosion, deposits and frothing.
- Do not use pure water as only coolant is able to meet the requirements needed in terms of corrosion protection and lubrication properties.
- Only use coolant that complies with the requirements stated (see specifications on the container) and that has the relevant properties.

Antifreeze protection to at least | −25 °C (−13 °F)

The mixture ratio must be adjusted to the necessary antifreeze protection. Use distilled water if the coolant needs to be diluted.

The use of premixed coolant is recommended.

Observe the coolant manufacturer specifications for antifreeze protection, dilution and miscibility (compatibility) with other coolants.

Recommended supplier
- MOTOREX®
  - COOLANT M3.0

Engine oil (SAE 10W/50)

Standard/classification
- JASO T903 MA2 (p. 153)
- SAE (p. 153) (SAE 10W/50)

Guideline
- Use only engine oils that comply with the specified standards (see specifications on the container) and that possess the corresponding properties.

Fully synthetic engine oil

Recommended supplier
- MOTOREX®
  - Cross Power 4T
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<th>Standard/classification</th>
<th>Guideline</th>
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<td><strong>Fork oil (SAE 4) (48601166S1)</strong></td>
<td>SAE (p. 153) (SAE 4)</td>
<td>Use only oils that comply with the specified standards (see specifications on the container) and that exhibit the corresponding properties.</td>
</tr>
<tr>
<td><strong>Shock absorber fluid (SAE 2.5) (50180751S1)</strong></td>
<td>SAE (p. 153) (SAE 2.5)</td>
<td>Use only oils that comply with the specified standards (see specifications on the container) and that exhibit the corresponding properties.</td>
</tr>
<tr>
<td><strong>Super unleaded (ROZ 95/RON 95/PON 91)</strong></td>
<td>DIN EN 228 (ROZ 95/RON 95/PON 91)</td>
<td>Only use unleaded super fuel that matches or is equivalent to the specified fuel grade.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fuel with an ethanol content of up to 10 % (E10 fuel) is safe to use.</td>
</tr>
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</table>

**Info**

Do not use fuel containing methanol (e.g. M15, M85, M100) or more than 10 % ethanol (e.g. E15, E25, E85, E100).
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<th>Supplier Name</th>
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<td>MOTOREX®</td>
<td>Racing Bio Dirt Remover</td>
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<tr>
<td>Chain cleaner</td>
<td>MOTOREX®</td>
<td>Chain Clean</td>
</tr>
<tr>
<td>Fuel additive</td>
<td>MOTOREX®</td>
<td>Fuel Stabilizer</td>
</tr>
<tr>
<td>High viscosity grease</td>
<td>SKF®</td>
<td>LGHB 2</td>
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<tr>
<td>Long-life grease</td>
<td>MOTOREX®</td>
<td>Bike Grease 2000</td>
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<tr>
<td>Motorcycle cleaner</td>
<td>MOTOREX®</td>
<td>Moto Clean</td>
</tr>
<tr>
<td>Multi-purpose grease</td>
<td>Klüber Lubrication®</td>
<td>CENTOPLEX 2 EP</td>
</tr>
<tr>
<td>Off-road chain spray</td>
<td>MOTOREX®</td>
<td>Chainlube Offroad</td>
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<tr>
<td>Oil for foam air filter</td>
<td>MOTOREX®</td>
<td>Racing Bio Liquid Power</td>
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</tbody>
</table>
### Preserving materials for paints, metal and rubber

Recommended supplier  
MOTOREX®  
– Moto Protect

### Silicone spray

Recommended supplier  
MOTOREX®  
– Silicone Spray

### Special cleaner for glossy and matte paint finishes, metal and plastic surfaces

Recommended supplier  
MOTOREX®  
– Quick Cleaner

### Special grease (00062010053)

Recommended supplier  
Klüber Lubrication®  
– KLÜBERFOOD NH1 34-401

### Universal oil spray

Recommended supplier  
MOTOREX®  
– Joker 440 Synthetic
Different technical development directions required a separate specification for motorcycles – the 
**JASO T903 MA2** standard.
Earlier, engine oils from the automobile industry were used for motorcycles because there was no separate 
motorcycle specification.
Whereas long service intervals are demanded for automobile engines, the focus for motorcycle engines is on 
high performance at high engine speeds.
In most motorcycle engines, the transmission and clutch are lubricated with the same oil.
The **JASO T903 MA2** standard meets these special requirements.

The SAE viscosity classes were defined by the Society of Automotive Engineers and are used for classifying 
oils according to their viscosity. The viscosity describes only one property of oil and says nothing about quality.
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<th>Vehicles electronics functions for achieving the best possible acceleration from a standing position</th>
</tr>
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<td>OBD</td>
<td>On-board diagnosis</td>
<td>Vehicle system, which monitors the specified parameters of the vehicle electronics</td>
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### 28.1 Yellow and orange symbols

Yellow and orange symbols indicate an error condition that requires prompt intervention. Active driving aids are also represented by yellow or orange symbols.

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<th>Description</th>
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<td>Malfunction indicator lamp lights up/flashes orange – The OBD has detected an error in the vehicle electronics.</td>
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<td>![Orange Symbol]</td>
<td>Malfunction indicator lamp flashes orange rapidly – Launch control is activated.</td>
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<td>![Fuel Symbol]</td>
<td>Fuel level warning lamp lights up orange – The fuel level has reached the reserve mark.</td>
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