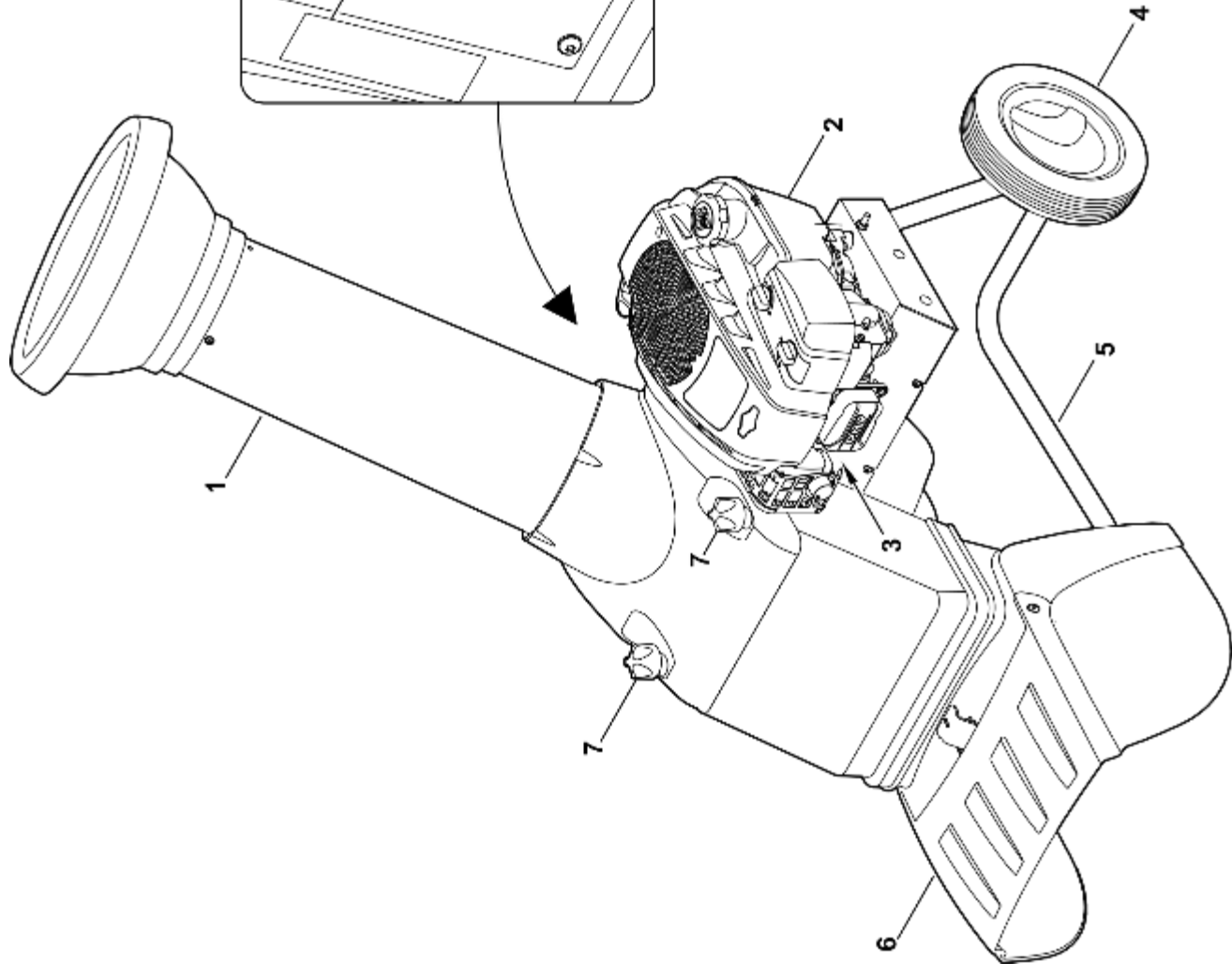


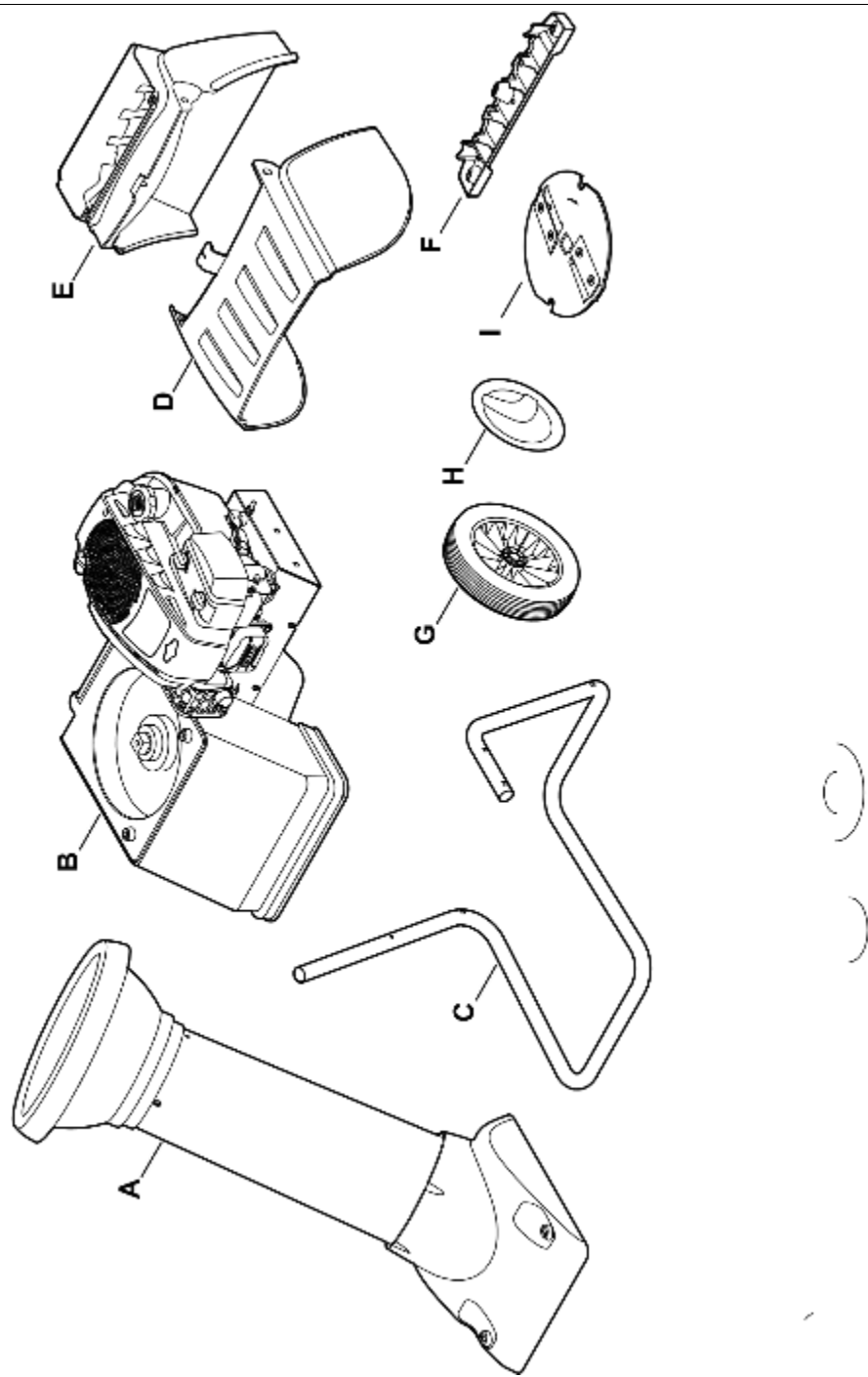


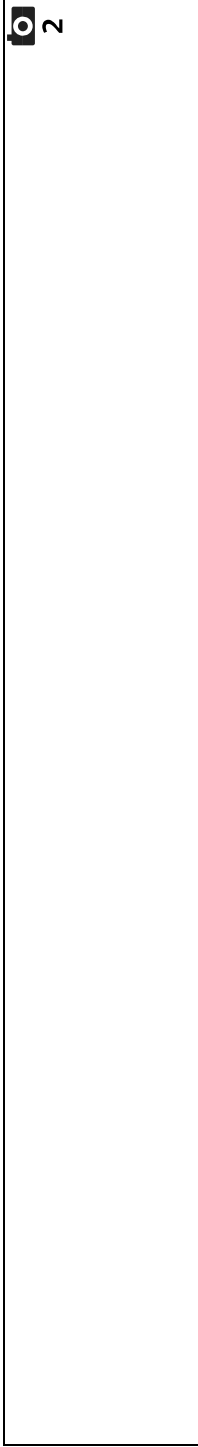
DE Gebrauchsanleitung
EN Instruction manual
FR Manuel d'utilisation
NL Gebruiksaanwijzing
IT Istruzioni per l'uso
ES Manual de instrucciones
PT Manual de utilização
NO Bruksanvisning
SV Bruksanvisning
FI Käyttöopas
DA Betjeningsvejledning
PL Instrukcja obsługi
SL Navodila za uporabo
SK Návod na obsluhu
HU Használati útmutató
HR Upute za uporabu
CS Návod k použití
LV Lietošanas pamācība
LT Naudojimo instrukcija

RO Instrucțiuni de utilizare
EL Οδηγίες χρήσης
RU Инструкция по эксплуатации
BG Инструкция за експлоатация
UK Посібник з експлуатації
ET Kasutusjuhend
KK Пайдаланушының нұсқаулығы

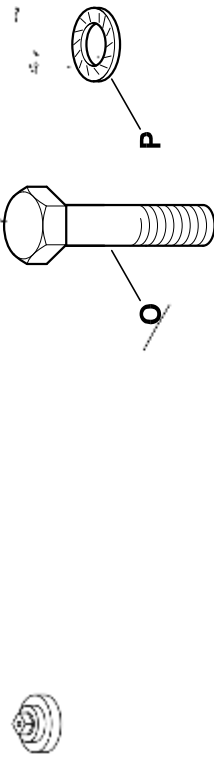
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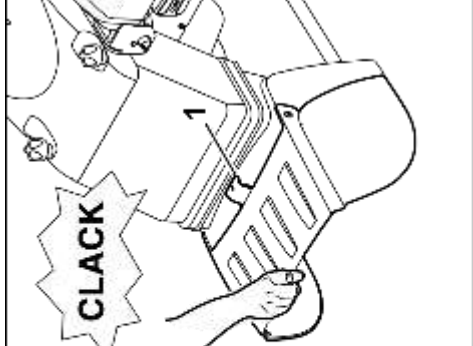
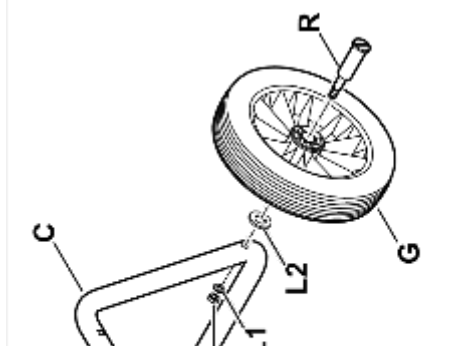


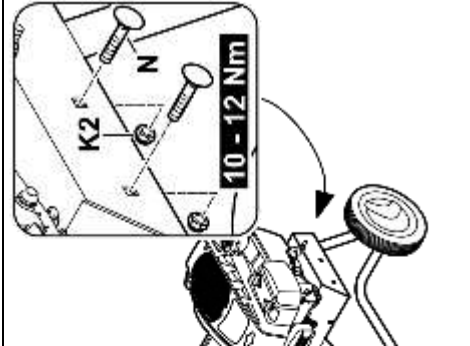


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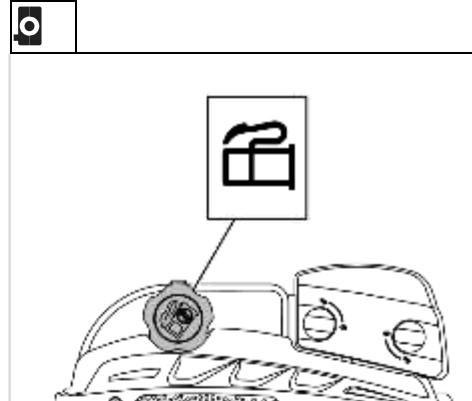
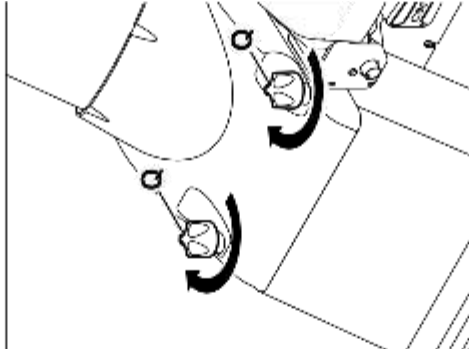
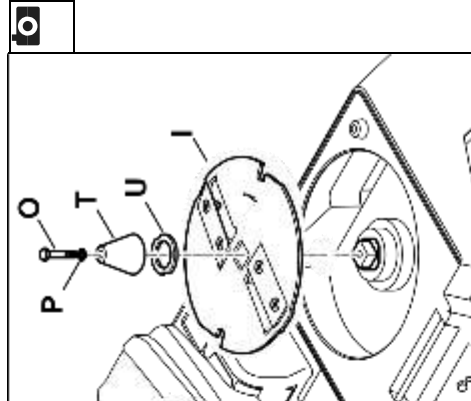


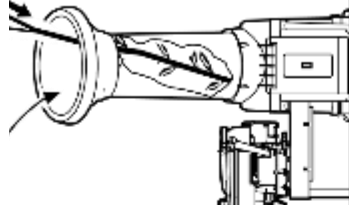




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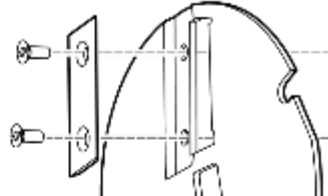
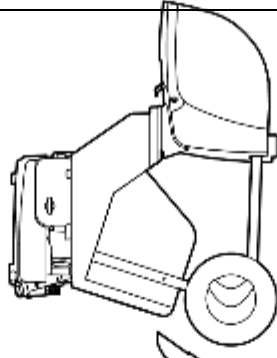


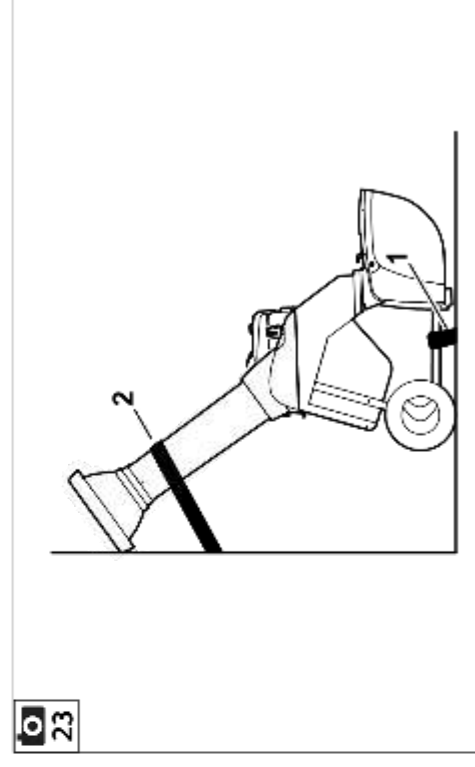
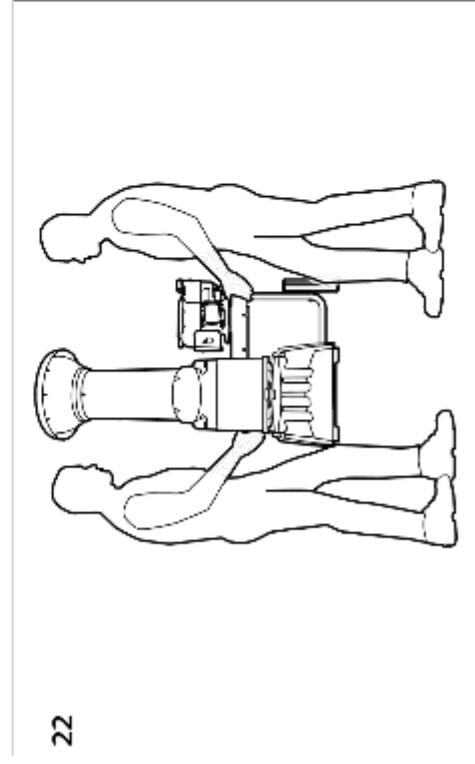
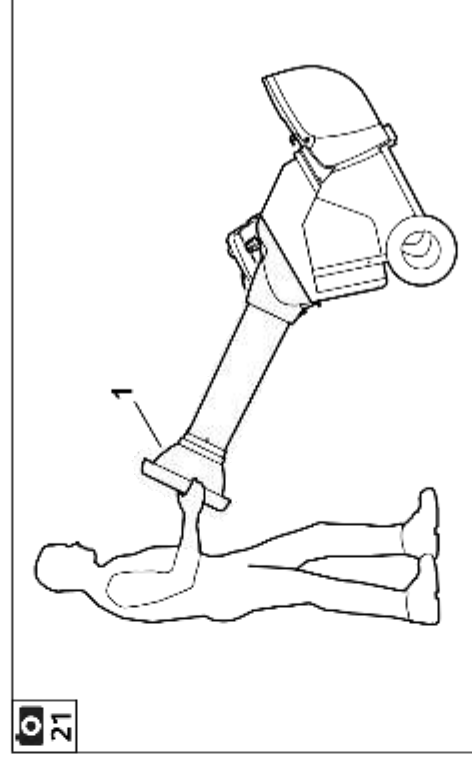
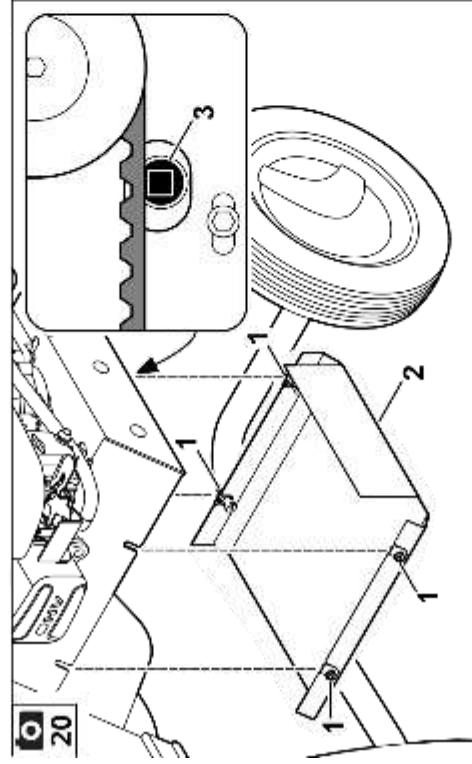
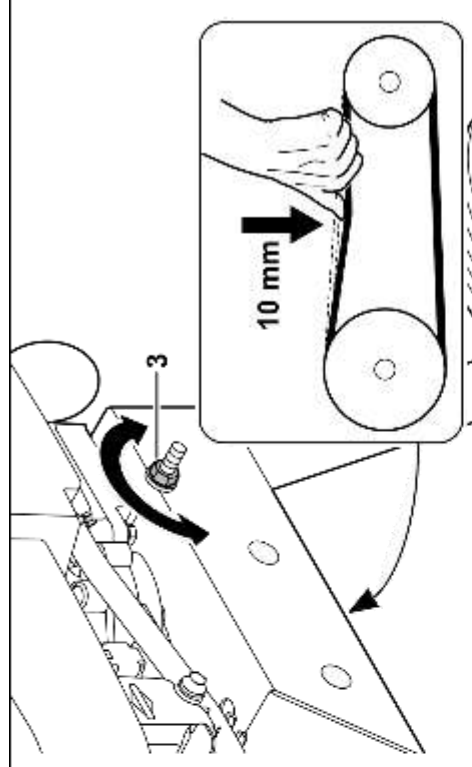
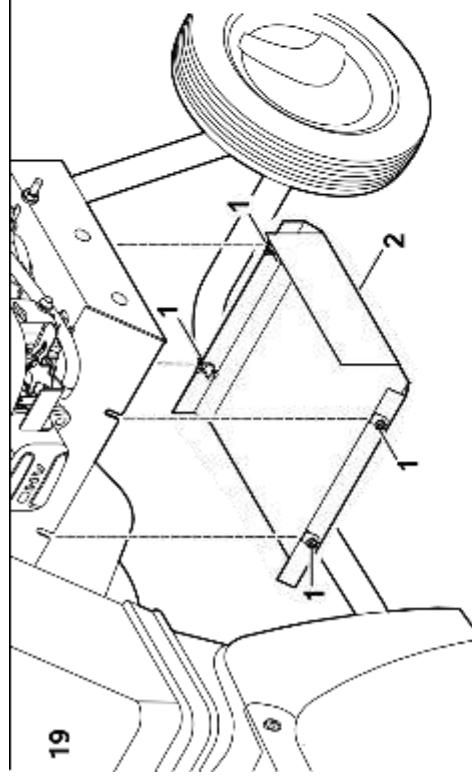




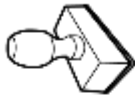
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Dear Customer,

Thank you for choosing STIHL. We develop and manufacture our quality products to meet our customers' requirements. The products are designed for reliability even under extreme conditions.

STIHL also stands for premium service quality. Our specialist dealers guarantee competent advice and instruction as well as comprehensive service support.

We thank you for your confidence in us and hope you will enjoy working with your STIHL product.



Dr. Nikolas Stihl

**IMPORTANT: READ BEFORE USE AND
KEEP IN A SAFE PLACE.**

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2. Notes on the instruction manual

2.1 General

This instruction manual constitutes **original manufacturer's instructions** in the sense of EC Directive 2006/42/EC.

STIHL is continually striving to further develop its range of products; we therefore reserve the right to make alterations to the form, technical specifications and equipment level of our standard equipment.

For this reason, the information and illustrations in this manual are subject to alterations.

This instruction manual may describe models that are not available in all countries.

This instruction manual is protected by copyright. All rights reserved, especially the right of reproduction, translation and processing using electronic systems.

2.2 Instructions for reading the instruction manual

Illustrations and texts describe specific operating steps.

All symbols which are affixed to the machine are explained in this instruction manual.

Viewing direction:

Viewing direction when **left** and **right** are used in the instruction manual:
the user is standing behind the machine (working position).

Section reference:

References to relevant sections and subsections for further descriptions are made using arrows. The following example shows a reference to a section: (→ 7.1)

Designation of text passages:

The instructions described can be identified as in the following examples.

Operating steps which require intervention on the part of the user:

- Release screw (1) using a screwdriver, operate lever (2)...

General lists:

- Use of the product for sporting or competitive events

Texts with added significance:

Text passages with added significance are identified using the symbols described below in order to especially emphasise them in the instruction manual:

Danger

Risk of accident and severe injury to persons. A certain type of behaviour is necessary or must be avoided.

Warning

Risk of injury to persons. A certain type of behaviour prevents possible or probable injuries.

Caution

Minor injuries or material damage can be prevented by a certain type of behaviour.



Note

Information for better use of the machine and in order to avoid possible operating errors.

Texts relating to illustrations:

Illustrations relating to use of the machine can be found in the front of this instruction manual.



The camera symbol serves to link the figures on the illustration pages with the corresponding text passages in the instruction manual.

3. Machine overview



- 1 Feed chute
- 2 Engine
- 3 Spark plug socket
- 4 Wheel
- 5 Wheel carrier
- 6 Ejection chute
- 7 Closure screws
- 8 On/Off switch
- 9 Rating plate with machine number

4. For your safety

4.1 General



These safety regulations must be observed when working with the machine.



Read the entire instruction manual before using the machine for the first time. Keep the instruction manual in a safe place for future reference.

Observe the operating and maintenance instructions contained in the separate engine instruction manual.

These safety precautions are essential for your safety, however the list is not exhaustive. Always use the machine in a reasonable and responsible manner and be aware that the user is responsible for accidents involving third parties or their property.

Make sure that you are familiar with the controls and use of the machine.

The machine must only be used by persons who have read the instruction manual and are familiar with operation of the machine. The user should seek expert and practical instruction prior to initial operation. The user must receive instruction on safe use of the machine from the vendor or another expert.

During this instruction, the user should be made aware that the utmost care and concentration are required for working with the machine.

Residual risks persist even if you operate this machine according to the instructions.

Risk of death from suffocation!

⚠ Packaging material is not a toy - danger of suffocation! Keep packaging material away from children.

Only give or lend the machine, including any accessories, to persons who are familiar with this model and how to operate

it. The instruction manual forms part of the machine and must always be provided to persons borrowing it.

The machine must only be operated by persons who are well rested and in good physical and mental condition. If your health is impaired, you should consult your doctor to determine whether working with the machine is possible. The machine should not be operated after the consumption of alcohol, drugs or medications which impair reactions.

Make sure that the user is physically, sensorily and mentally capable of operating the machine and working with it. If the user is physically, sensorily or mentally impaired, the machine must only be used under supervision or following instruction by a responsible person.

Make sure that the user is of legal age or being trained under supervision in a profession in accordance with national regulations.

Caution – risk of accident!

STIHL garden shredders are suitable for shredding branch material and plant trimmings. Their use for other purposes is not permitted and may be dangerous or result in damage to the machine.

The garden shredder must not be used (incomplete list):

- for any other materials (e.g. glass, metal);
- for tasks other than those described in this instruction manual.
- for the preparation of foodstuffs (e.g. crushing ice, mashing pulp).

For safety reasons, any modification to the machine, except the proper installation of accessories approved by STIHL, is

forbidden and results in voiding of the warranty cover. Information regarding approved accessories can be obtained from your STIHL specialist dealer.

In particular, any tampering with the machine which increases the power output or speed of the engine or motor is forbidden.

It is not permitted to transport objects, animals or persons, particularly children, on the machine.

Particular care is required during use in public green spaces, parks, sports fields, along roads and in agricultural and forestry businesses.

4.2 Refilling the tank – handling petrol

⚠ Danger to life!

Petrol is poisonous and extremely inflammable.

Petrol must only be stored in appropriate, tested containers (canisters). Always screw on the fuel tank and canister caps properly and tightly. Defective caps must be replaced for safety reasons.

Never use beverage bottles or similar for disposal or storage of fuels and lubricants. Persons, particularly children, could be tempted to drink out of them.



Keep petrol away from sparks, naked flames, pilot lights, heat sources, and other ignition sources. Do not smoke!

Refill the tank out-of-doors and do not smoke during refilling.

Before refilling the tank, stop the engine and allow it to cool.

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Refilling with petrol must be performed before the engine is started. When the engine is running or is hot, the tank cap must not be removed and the tank must not be refilled with petrol.

Do not overfill the fuel tank!

To give the fuel room to expand, never fill the fuel tank past the lower edge of the filler neck.

Observe the additional instructions in the engine instruction manual.



If petrol is spilled, the engine must only be started after the petrol-contaminated area has been cleaned. All attempts at starting must be avoided until the petrol fumes have dispersed (wipe dry).

Any spilt fuel must be wiped up immediately.

Clothing must be changed if it comes into contact with petrol.

Never store the machine with petrol in the tank inside a building. The resulting petrol fumes could come into contact with naked flames or sparks and could be ignited.

If it is necessary to drain the tank, this must be done out of doors.

4.3 Clothing and equipment

Always wear sturdy footwear with high-grip soles when working. Never work barefoot or, for example, in sandals.



Also always wear sturdy gloves when working and in particular also when performing maintenance operations or transporting the machine.



Always wear safety glasses and hearing protection when working. Wear them at all times.



Wear suitable, close-fitting clothing when working with the machine, e.g. overalls, but not work coats. Do not wear scarves, ties, jewellery, clothing with dangling straps or cords or other protruding articles of clothing when working with the machine.



Long hair must be tied up and secured (headscarf, cap, etc.) at all times when operating or performing work on the machine.

4.4 Transporting the machine

Always wear gloves in order to prevent injuries due to sharp-edged and hot components.

Do not transport the machine with the engine running. Switch off the engine, let the blades come to a standstill and remove the spark plug socket prior to transport.

Only transport the machine once the engine has cooled down and with an empty fuel tank.

Only transport the machine with the feed chute properly fitted

Risk of injury due to exposed blades.

Pay particular attention to the weight of the machine, especially when tilting.

Use suitable loading aids (loading ramps, lifters).

Secure the machine on the load floor using adequately dimensioned fastening material (straps, ropes etc.) at the fastening points described in this instruction manual. (⇒ 12.3)

Push or pull the machine at walking pace only. Do not tow!

When transporting the machine, always observe regional legislation, especially regarding load security and the transport of objects on load floors.

4.5 Before operation

Make sure that only persons who are familiar with the instruction manual are permitted to use the machine.

Check the fuel system (particularly visible parts such as e.g. tank, tank cap, hose connections) before operating the machine. In the event of any leaks or damage, do not start the engine – **fire hazard!**

Have the machine repaired by a specialist dealer prior to operation.

Observe the local regulations regarding permitted operating times for gardening power tools with combustion engines or electric motors.

All faulty, worn or damaged parts must be replaced before using the machine.

Replace any illegible or damaged danger signs and warnings on the machine. Your STIHL specialist has a supply of replacement stickers and all the other spare parts.

Before initial operation, it must be ensured

- that the covers and guards are in place and in good condition
- that all fuel-carrying components are fitted to the engine and are in good condition (leak-tight)
- that the tank is in good condition (leak-tight)

- that the housing and cutting tools (blades, blade shaft, blade discs, etc.) are not worn or damaged
- that there is no shredding material in the machine and that the feed chute is empty
- that all screws, bolts, nuts and other fastening elements are in place and properly tightened. Tighten any loose screws, bolts and nuts prior to initial operation (observe tightening torques).

Only use the machine out-of-doors and not close to walls or any other solid objects in order to prevent the risk of injuries and property damage (no escape for the user, broken windows, scratched cars etc.).

The machine must be placed in a stable position on firm and level ground.

Do not use the machine on a paved or gravel-covered surfaces, as ejected or thrown-up material could cause injuries.

Before using the machine, always check that it is properly closed. (⇒ 7.7)

The switch and safety devices installed in the machine must not be removed or bypassed.

4.6 Working with your machine



Never work when animals or persons, particularly children, are in the danger area.

Do not operate the machine in the rain or during thunder storms, particularly when there is a risk of lightning strike.

The risk of accidents is higher if the ground is damp due to increased danger of slipping.

Particular caution should be exercised

during working in order to prevent slipping. If possible, avoid using the machine when the ground is damp.

Only work during the day or with good artificial light.

Keep the working area neat and tidy at all times. Remove tripping hazards such as stones, branches, cables etc.

The operator should not stand any higher than the level of the base of the machine.

Exhaust gases:

Danger to life through poisoning!

In the case of nausea, headache, impaired vision (e.g. decreasing field of view) hearing disorder, dizziness, decreasing power of concentration, stop working immediately. These symptoms may be caused by excessively high exhaust gas concentrations.



The machine generates poisonous exhaust gases when the engine is running. The gases contain poisonous carbon monoxide, a colourless and odourless gas, as well as other pollutants. The engine must never be operated in closed or poorly ventilated spaces.

The machine must be positioned so that it is not necessary to work facing the direction of the exhaust gases.

Starting:

Place the machine in a stable and upright position prior to starting. The machine must never be operated in a horizontal position.

Do not pull the recoil starter rope if the machine is not properly closed and the blades are exposed.

Risk of injury due to rotating blades!

Exercise care when starting the machine and observe the instructions contained in the section entitled "Operating the machine" (⇒ 10.). Starting the machine in accordance with these instructions reduces the risk of injury.

Risk of injury!

If the starter rope recoils at speed, the hand and arm will be pulled towards the engine faster than the starter rope can be released. This kickback can result in broken bones, crush injuries and sprains.

Do not stand in front of the discharge opening when starting the engine or switching on the motor. There must be no shredding material in the garden shredder when it is started or switched on. Shredding material may be ejected and lead to injuries.

The machine must not be tilted during start-up.

Working:

Risk of injury!

Never place your hands or feet above, underneath or on rotating parts.

When the machine is running, never put your face or any other part of your body above the feed chute or in front of the ejection opening. Always keep your head and body away from the feed opening.



Never put your hands or any other part of your body or clothing into the feed chute or ejection chute. There is a considerable risk of injury to eyes, face, fingers, hands etc.

Always maintain your balance and firm footing. Do not stretch forward.

The operator must stand in the working area described when feeding the shredder. Stay inside the working area and outside of the ejection zone at all times during operation of the machine. (⇒ 8.1)

Risk of injury:

Shredding material may be ejected back up during operation. Always wear safety glasses and keep your face away from the feed opening.

Never tilt the machine when the engine or motor is running.

If the machine falls over during operation, immediately switch off the engine and detach the spark plug socket.

Make sure that there is no shredding material blocking the ejection chute, as this could result in a poor shredding performance or kickbacks.

When feeding the garden shredder, pay particular attention to ensuring that no foreign objects such as bits of metal, stones, plastic, glass, etc. get into the shredding chamber as this could result in damage or kickbacks from the feed chute. Remove blockages for the same reason.

Kickbacks can occur when feeding the garden shredder with branch material. Wear gloves.

Stop the engine

- before tilting, pushing or pulling the machine,
- before unscrewing the closure screws and opening the machine.
- before re-filling the tank. Allow the engine to cool down before re-filling the tank.

Fire hazard!



STOP

Beware of the cutting tool running on for several seconds before coming to a standstill.

Switch off the engine, detach the spark plug socket and allow all rotating tools to come to a complete standstill

- before leaving the machine unattended
- before lifting or carrying the machine
- before transporting the machine
- before removing blockages at the cutting unit, in the feed chute or in the discharge chute
- before working on the cutting unit
- before checking or cleaning the machine or before carrying out any other work on it.

If foreign objects get into the cutting tool or if the machine makes strange noises or vibrates in an unusual way, switch off the engine immediately and allow the machine to come to rest. Detach the spark plug socket, remove the feed chute and perform the following steps:

- check the machine, in particular the cutting unit (blade, blade disc, blade fastening screw) for damage and have any necessary repairs carried out by a technician before restarting and working with the machine.
- check that all parts of the cutting unit are seated securely, retighten the screws if necessary (observe tightening torques).
- Have damaged parts replaced or repaired by a technician; the parts must be of similar quality.

4.7 Maintenance and repairs

Before beginning cleaning, adjustment, repair and maintenance operations:

- Park the machine on firm and level ground
- Stop the engine and allow it to cool down
- Detach the spark plug socket.



Caution – risk of injury!

Keep the spark plug socket away from the spark plug; an inadvertent ignition spark can result in fires or electric shocks.

Inadvertent contact between the spark plug and the spark plug socket can result in unwanted starting of the engine.

Allow the machine to cool down before working on or around the engine, exhaust manifold or muffler in particular.

Temperatures of 80° C and above can be reached. **Danger of burns!**

Direct contact with engine oil can be dangerous. Engine oil must not be spilled. STIHL recommends leaving the task of topping up engine oil or performing engine oil changes to a STIHL specialist dealer.

Cleaning:

The complete machine must be cleaned thoroughly following use. (⇒ 11.2)

Never use high-pressure cleaners and do not clean the machine under running water (e.g. using a garden hose).

Do not use aggressive cleaning agents. These can damage plastics and metals, impairing the safe operation of your STIHL machine.

In order to prevent fire hazards, keep the area around the air vents, cooling ribs and the area of the exhaust free from e.g. grass, straw, moss, leaves or escaping grease.

Maintenance operations:

Only maintenance operations described in this instruction manual may be carried out. Have all other work performed by a specialist dealer.

If you do not have the necessary expertise or auxiliary equipment, please **always** contact a specialist dealer.

STIHL recommends that you have maintenance operations and repairs performed exclusively by a STIHL specialist dealer.

STIHL specialist dealers regularly attend training courses and are provided with technical information.

Only use tools, accessories or attachments approved for this machine by STIHL or technically identical parts.

Otherwise, there may be a risk of accidents resulting in personal injury or damage to the machine. If you have any questions, please consult a specialist dealer.

The characteristics of original STIHL tools, accessories and spare parts are optimally adapted to the machine and the user's requirements. Genuine STIHL spare parts can be recognised by the STIHL spare parts number, by the STIHL lettering and, if present, by the STIHL spare parts symbol. On smaller parts, only the symbol may be present.

For safety reasons, fuel-carrying components (fuel line, fuel cock, fuel tank, tank cap, connections, etc.) must be checked regularly for damage and leaks

and replaced by a technician if necessary (STIHL recommends STIHL specialist dealers).

Always keep warning and information stickers clean and readable. Damaged or missing stickers must be replaced by new, original plates from your STIHL specialist dealer. If a component is replaced with a new component, ensure that the new component is provided with the same stickers.

Only perform work on the cutting unit when wearing thick work gloves and exercising extreme care.

Ensure that all nuts, pins and screws, especially all the cutting unit screws, are securely tightened, so that the machine is in a safe operating condition.

Check the entire machine for wear or damage on a regular basis, particularly before extended periods when the machine is not in use (e.g. over winter). For safety reasons, worn or damaged parts must be replaced immediately to ensure that the machine is always in a safe operating condition.

Never alter the basic setting of the engine or run at excessive engine speeds.

Components or guards that are removed for maintenance operations must be properly reinstalled immediately.

4.8 Storage for prolonged periods without operation

Allow the engine to cool before storing the machine in an enclosed space.

Store the machine with empty fuel tank and the fuel reserve in a lockable and well-ventilated room.

Ensure that the machine is protected from unauthorised use (e.g. by children).

Never store the machine with petrol in the tank inside a building. The resulting petrol fumes could come into contact with naked flames or sparks and could be ignited.

If the tank has to be emptied (e.g. immobilisation before the winter break), the fuel tank must be emptied out of doors only (empty the tank by running the engine out of doors, for example).

Thoroughly clean the machine before storage (e.g. winter break).

Only store the machine with the spark plug socket disconnected.

Store the machine in good operational condition.

Only transport the garden shredder with the feed chute fitted.

Risk of injury due to exposed blades.

4.9 Disposal

Waste products such as used engine oil or fuel, used lubricants, filters, batteries and similar wearing parts can be harmful to people, animals and the environment, and must consequently be disposed of properly.

Consult your recycling centre or your specialist dealer for information on the proper disposal of waste products. STIHL recommends STIHL specialist dealers.

Ensure that old machines are properly disposed of. Render the machine unusable prior to disposal. In order to prevent accidents, remove the ignition lead, empty the fuel tank and drain the engine oil in particular.

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Risk of injury from the blades.

Always store an old garden shredder in a safe place prior to scrapping. Ensure that the machine and particularly all the blades are kept out of the reach of children.

5. Description of symbols



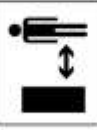
Caution!

Read the instruction manual before initial use.



Risk of injury!

Keep other persons out of the danger area.



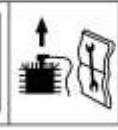
Risk of injury:

Risk of injury caused by rotating tools.



Caution:

Detach the spark plug socket before performing any maintenance or cleaning operations.



Wear hearing protection.



Wear safety glasses.



Wear work gloves.



Risk of injury:

Never put your hands or any other part of your body or clothing into the feed chute or ejection chute.



Risk of injury:

Do not climb onto the machine.

6. Standard equipment



Item	Designation	Qty.
A	Feed chute	1
B	Basic unit	1
C	Wheel carrier	1
D	Discharge flap	1
E	Ejection chute extension	1
F	Strip	1
G	Wheel	2
H	Wheel cap	2
I	Blade disc	1
J	Torx screw P5x20	5
K1	Nut M10	2
K2	Lock nut M8	2
L1	Washer	2
L2	Washer A10	2

Item	Designation	Qty.
M	Torx screw P5x50	1
N	Flat head bolt M8x45	2
O	Hexagon screw M10x55	1
P	Retaining washer	1
Q	Closure screw	2
R	Wheel pin	2
S	Pin	2
T	Deflector	1
U	Upper spacing ring	1
V	Lower spacing ring	1
W	Protective cap	1
X	Installation tool	1
Y	Torx wrench	1
Z	Combination spanner	1
•	Instruction manual	1
•	Engine instruction manual	1

7. Preparing the machine for operation



Risk of injury:

Observe the safety instructions in the section "For your safety" (⇒ 4.).

- Place the machine on level and firm ground when performing all the operations described.



7.1 Installing ejection chute extension

- Fit ejection chute extension (E) onto basic unit and install screws (J) (1 - 2 Nm).

7.2 Installing wheels and chassis



- Attach left and right wheels (G) with wheel pin (R), washer (L1), washer (L2) and nut (K1) to wheel carrier (C).

- Press wheel caps (H) onto wheels.

- Place wheel carrier as shown on firm and level ground and fit basic unit (B) into position.

- Insert flat head bolts (N) on the left side and screw on lock nuts (K2), but do not tighten them yet.

Install Torx screw (M) on the right side (1 - 2 Nm).

- Tighten nuts (K2) (10 - 12 Nm).

7.3 Installing the discharge flap



- Set garden shredder on its back.
- Insert strip (F) into ejection chute extension. Install screws (J) (1 - 2 Nm).
- Lift garden shredder into upright position.

- Position discharge flap (D) on ejection chute extension. Ensure that the ribs (1) inside the flaps on the left and right are correctly located in the guide groove of the ejection chute extension (2) when attaching.

- Press in pins (S) on left and right.

7.4 Opening and closing the discharge flap



Opening the discharge flap:

- For shredding, fold the discharge flap (D) upwards and allow the tab (1) to engage in the ejection chute extension.

Closing the discharge flap:

- For transport or space-saving storage, lift the tab (1) slightly and fold away the discharge flap (D) downwards.

7.5 Installing the blade disc



Observe the installation sequence and tightening torque of **52 - 60 Nm**



Ensure correct position of upper spacing ring (U) to both blades when installing.

- Fit protective cap (W), lower spacing ring (V), blade disc (I), upper spacing ring (U), deflector (T) and retaining washer (P) onto blade mounting and insert screw (O).

- Use installation tool (X) to counterhold the blade disc. Screw in screw (O) using combination spanner (Z) and tighten to a torque of **52 - 60 Nm**.

7.6 Removing the blade disc



- Use installation tool (X) to counterhold the blade disc.
- Loosen screw (O) with combination spanner (Z).

- Remove screw (O), retaining washer (P), deflector (T), upper spacing ring (U) and blade disc (I).

7.7 Installing the feed chute



The closure screws (Q) must be securely fastened to the feed chute following initial assembly.

- Insert closure screws (Q) in the slot of the feed chute and screw in fully, applying pressure.
- Attach feed chute (A) to hinge (1) in basic unit and pivot forwards.
- Tighten both closure screws (Q) **simultaneously**.

7.8 Removing the feed chute



- Loosen both closure screws (Q) until they turn freely. They remain on the feed chute
- Pivot feed chute (A) to the rear and remove.

7.9 Fuel and engine oil



Top up engine oil before initial start (⇒ engine instruction manual)!



Engine oil

Please consult the engine instruction manual for the type of engine oil to be used and the oil capacity. Check the oil filling level at regular intervals (⇒ see engine instruction manual). Avoid exceeding or falling below the correct oil level.

Fuel

Recommendation:

Fresh good quality fuel, normal unleaded petrol (⇒ engine instruction manual)! Use a funnel when filling the tank with fuel (not included in standard equipment). Note the warnings in the section "For your safety". (⇒ 4.)

8. Notes on working with the machine



Risk of injury:

Observe the safety instructions in the "For your safety" section. (⇒ 4.) It is only permitted for one person to feed the garden shredder.

8.1 Working area for operator



- For safety reasons, the operator must stay within the working area (grey area X) for the entire operating period (while the motor is switched on or the engine is running), particularly in order to prevent injuries due to shredding material that is ejected backwards.

8.2 What material can be processed?



Tree or hedge cuttings, as well as branch material with many or few side shoots and twigs can be processed with the garden shredder.

Tree and hedge cuttings should be processed when fresh, as the shredding performance is better with fresh than with dried-out or wet material.

8.3 What material cannot be processed?



Stones, glass, bits of metal (wire, nails, etc.) or plastic must not be fed into the garden shredder.

As a general rule:

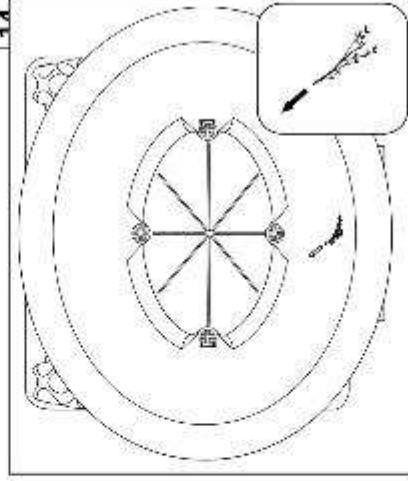
Any materials that do not belong on the compost heap should not be processed using the garden shredder.

8.4 Maximum branch diameter

The data relates to freshly cut branch material:

Maximum branch diameter
GH 370 S: **45 mm**

8.5 Feeding the garden shredder



- Before feeding the garden shredder, note the working area. (⇒ 8.1)
- Observe the maximum branch diameter. (⇒ 8.4)

- Insert the branch material at a slight angle and guide it along the left-hand chute wall to the blade unit.

The hard material is automatically drawn in by the machine. You should support and guide longer branches with your hand when shredding.

8.6 Correct machine load

The load on the motor or engine of the garden shredder must never cause the speed to drop significantly. Always feed the garden shredder continuously and steadily. If the speed drops when working with the garden shredder, stop feeding the machine in order to relieve the load on the motor or engine.

9. Safety devices

9.1 Motorstop

The engine/shredding tool can only be operated when the feed chute has been properly closed.

When loosening the engine-side closure screw during operation, the ignition contact is interrupted and the engine/shredding tool comes to a standstill after a few seconds.

9.2 Protective covers

The garden shredder is equipped with protective covers in the feeding and ejection areas. These include the complete feed chute with the upper chute and splash guard, the ejection chute extension and the discharge flap.

The protective covers ensure that a safe distance is maintained from the shredding blades.

10. Operating the machine



Risk of injury!
Carefully read and observe the "For your safety" section before operating the machine. (→ 4.)

10.1 Starting the engine



- Check the oil and fuel levels. (→ 7.9)
- Set switch (1) to the I position.

- Pull recoil starter rope (2) slowly to the point of compression resistance and then pull vigorously to arm's length. Slowly release the cable so that it can gradually be rolled up by the starter. Repeat the starting procedure until the engine starts.

10.2 Stopping the engine



- Set switch (1) to the O position.
The engine/shredding tool come to a standstill following a brief run-down time.

10.3 Shredding

- Push the garden shredder onto firm and level ground and set down safely.

- Put on thick gloves, safety glasses and hearing protection.
- Open the discharge flap. (→ 7.4)
- Start the garden shredder. (→ 10.1)
- Wait until the engine has reached its maximum speed (idling speed).
- Feed the garden shredder with shredding material in the correct way. (→ 8.5)
- After work is completed, stop the garden shredder (→ 10.2) and clean. (→ 11.2)

11. Maintenance



Risk of injury!

Carefully read the section "For your safety" (→ 4.), particularly the subsection "Maintenance and repairs" (→ 4.7), and follow all safety instructions exactly before performing any maintenance or cleaning operations on the machine.



Detach the spark plug socket before performing any maintenance or cleaning operations.

11.1 Engine

Maintenance interval: Before each use

To achieve a long service life, it is always particularly important to maintain a sufficient level of oil and to change the oil and air filter regularly. Observe the

operating and maintenance instructions contained in the accompanying engine instruction manual.

The cooling ribs must always be kept clean to ensure that the engine is adequately cooled.

11.2 Cleaning the machine



Maintenance interval: After each use

Clean the machine thoroughly each time it has been used. Care of the machine will protect it against damage and extend its service life.

Cleaning position of the garden shredder:

It is only permitted to clean the machine in the position shown.

- Remove the feed chute. (→ 7.8)

The machine (engine) may be damaged if the garden shredder is not positioned as described.



Never spray water onto motor or engine components, seals, bearing points or electrical parts such as switches. This would result in expensive repairs.



If you are unable to remove the dirt and accumulated deposits with a brush, a damp cloth or a stick, STIHL recommends the use of a special cleaner (e.g. STIHL special cleaner).



Do not use aggressive cleaning agents. Clean the blade discs regularly.

Remove dirt from the cooling ribs, fan wheel, area around the air filter, exhaust, etc. to ensure that the engine is adequately cooled.

11.3 Blade maintenance



Risk of injury!

Always wear thick gloves.



Maintenance interval: Before each use

- Remove the feed chute. (⇒ 7.8)
- Check the blades for damage (notches or cracks) and wear; reverse or replace if necessary.

Wear limits of the blades:

The blades must be reversed or replaced before the specified wear limits are reached. STIHL recommends STIHL specialist dealers.



- On the blades, measure the distance between the bore to the edge of the blade at several points.
Minimum distance **6 mm**

Reversing the blades:



The cutting blades are designed as reversible blades. This means that blunt blades can be reversed and the machine is ready for use again. Always reverse both blades.

- Remove the blade disc. (⇒ 7.6)
- Unscrew screws (1) and remove together with nuts (2).
- Remove blade (3) upwards.
- Clean the blade disc.

- Reverse blade (3) and place onto the blade disc with the sharp edge exposed and align the bores.

- Insert screws (1) through the bores and screw on nuts (2). Tighten nuts (2) to **22 --28 Nm**.

- Install the blade disc. (⇒ 7.5)

Sharpening the blades:

Blades which are blunt on both sides must be sharpened before resuming work.

In order to ensure optimum machine operation, the blades should only be sharpened by a technician. STIHL recommends STIHL specialist dealers.

- Remove the blades for sharpening.
- Cool the blades when sharpening, e.g. with water. The blade must not be allowed to display blue colouring, as this would reduce its cutting quality.
- Sharpen the blade evenly to prevent vibrations due to imbalance.
- Check blades for damage before installing: the blades must be replaced if notches or cracks are visible or if the blades have reached the wear limits.
- Sharpen blades at a sharpening angle of **30°**.

- Sharpen the blades against the cutting edge.

- After sharpening, remove any sharpening burr at the cutting edge using fine sandpaper.

- Observe the tightening torques contained in the "Reversing the blades" section when installing the blades.

11.4 V-belt maintenance



Maintenance interval: Every 10 operating hours

Check the V-belt for wear and damage by means of a visual inspection and replace if necessary.

Check V-belt tension and adjust as required.



Insufficient tensioning increases V-belt wear, excessive tensioning may lead to bearing damage. If you do not have the necessary knowledge to adjust the V-belt, you should have a technician perform this work.

Checking V-belt tension:

- Detach the spark plug socket.
- Loosen screws (1), but do not unscrew fully (remain on belt guard) and remove belt guard (2).
- Using your thumb, press on the V-belt between the two V-belt pulleys. It must be possible to depress the V-belt by approx. **10 mm**.

Adjusting V-belt tension:

- Loosen the engine mounting (not illustrated):
Loosen 3 bolts of the engine mounting, but do not remove; counterhold nuts on upper side.
- Tension the V-belt by turning adjustment nut (3).
- After adjustment, re-tighten the engine fastening bolts and install the belt guard.

11.5 Changing the engine oil



Maintenance interval:

The recommended oil change intervals, the engine oil to be used and the oil capacity can be found in the engine instruction manual.

Oil drain plug:

- Loosen screws (1), but do not unscrew fully (remain on belt guard) and remove belt guard (2).
- Remove oil drain plug (3) and drain engine oil.
- Reinsert oil drain plug (3) and fill with fresh engine oil. Install belt guard (2).

11.6 Storage and winter break

Store the garden shredder in a dry and locked place that is generally free of dust. Make sure that the machine is kept out of the reach of children.

Only store the garden shredder in good operating condition and with the feed chute fitted.

Note the following points when storing the garden shredder for extended periods (over winter):

- Thoroughly clean all external parts of the machine.
- Thoroughly lubricate/grease all moving parts.
- Empty fuel tank and carburettor (e.g. by running the engine).

- Unscrew spark plug and pour approx. 3 cm³ of engine oil into the engine via the spark plug hole. Turn the engine several times with the spark plug removed.



Fire hazard!

Keep the spark plug socket away from the spark plug hole (danger of ignition).

- Re-install the spark plug.
- Perform oil change (⇒ engine instruction manual).
- Cover the engine well and store the machine in a dry, dust-free room in the upright position.

12. Transport



Risk of injury!

Before transporting, carefully read and observe the section "For your safety", in particular the "Transporting the machine" section. (→ 4.4)

12.1 Pulling or pushing the garden shredder



- Hold the garden shredder at the upper chute (1) and tilt to the rear.
- The garden shredder can be pulled or pushed slowly (walking pace).

12.2 Lifting or carrying the garden shredder



Due to its heavy weight, at least two persons are required to lift the garden shredder. Always wear suitable protective clothing; the lower arms and upper part of the body must be fully covered.

- When lifting the garden shredder, hold it at the housing on the right and under the engine on the left.

12.3 Transporting the garden shredder on a load floor



- Always place the garden shredder in the upright position when transporting it on a load floor.
- Secure the machine against slipping using suitable fastening materials. Attach ropes or straps to the wheel carrier (1) and the feed chute (2).

13. Minimising wear and preventing damage

Important information on maintenance and care of the product group

petrol garden shredder (STIHL GH)

STIHL assumes no liability for material or personal damage caused by the non-observance of information contained in the operating instructions, in particular with regard to safety, operation and maintenance, or which arise through the use of unauthorised attachment or spare parts.

Please always observe the following important information for the prevention of damage or excessive wear to your STIHL machine:

1. Wearing parts

Some parts of the STIHL machine are subject to normal wear even when used properly and must be replaced in due time depending on type and duration of use.

These include:

- Blade
- Blade disc
- V-belt

2. Compliance with the information in this instruction manual

The STIHL machine must be used, maintained and stored with the care described in this instruction manual. Any damage caused by non-compliance with the safety, operating and maintenance instructions is the sole responsibility of the user.

This applies in particular to:

- Improper use of the product.
- Use of fuel and lubricants not approved by STIHL (lubricants, petrol and engine oil, see engine instruction manual).
- Product modifications not approved by STIHL.
- The use of attaching parts, attachments or cutting tools not approved by STIHL.
- Use of the product for sporting or competitive events.
- Resultant damage due to continued use of the product with defective components.

3. Maintenance operations

All operations listed in the section "Maintenance" must be performed regularly.

If these maintenance operations cannot be carried out by the user, a specialist dealer must be commissioned to perform them.

STIHL recommends that you have maintenance operations and repairs performed exclusively by a STIHL specialist dealer.

STIHL specialist dealers regularly attend training courses and are provided with technical information.

If these operations are neglected, faults may arise which are the responsibility of the user.

These include:

- Corrosive and other resultant damage caused by incorrect storage.
- Damage and resultant damage due to the use of spare parts which are not original STIHL parts.
- Damage due to maintenance and repair operations not performed in the workshops of authorised specialist dealers.

14. Standard spare parts

Blade disc assembly

6903 700 5101

Reversible blade (2x)

6903 702 0101

V-belt

6001 704 2100

15. Environmental protection



Shredding material should be composted and not disposed of in household waste.

The machine, its packaging and accessories are all produced from recyclable materials and must be disposed of accordingly.

By disposing of materials separately, and in an environmentally friendly manner, valuable resources can be re-used. For this reason, the machine should be disposed of for recycling at the end of its useful life.

16. EU - Declaration of conformity

16.1 STIHL GH 370.0 S Garden

Shredder

STIHL Tirol GmbH

Hans Peter Stihl-Strasse 5

6336 Langkampfen

Austria

declares under our sole responsibility that

- design: garden shredder
- manufacturer's brand: STIHL
- type: GH 370.0 S
- serial number: 6001

complies with the relevant provisions of Directives 2000/14/EC, 2006/42/EC, 2014/30/EU and 2011/65/EU and has been developed and manufactured in accordance with the versions of the

following standards valid on the date of manufacture: EN 13683 and EN 14982 (where applicable).

Name and address of the notified body involved:

TÜV Rheinland LGA Products GmbH
Tillystrasse 2
D-90431 Nuremberg

The measured and guaranteed sound power levels were determined in accordance with Directive 2000/14/EC, Appendix V.

- Measured sound power level:
99,4 dB(A)
- Guaranteed sound power level:
102 dB(A)

The technical documents are stored in the Product Approval department at STIHL Tirol GmbH.

The year of manufacture and machine number are indicated on the garden shredder.

Langkampfen, 02.01.2021
STIHL Tirol GmbH

p.p.



Matthias Fleischer, Head of Research and Development Division

p.p.



Sven Zimmermann, Head of Quality Division

17. Technical specifications

Manufacturer's brand:	STIHL
Model:	GH 370.0 S
Serial number:	6001
Engine, design:	4-stroke combustion engine
Type:	Briggs&Stratton Series 850 EXi OHV
Nominal output at nominal speed:	3,4 - 3000 kW – rpm
Displacement:	190 ccm
Starter:	Rope start
Fuel tank:	1,0 l
Cutting unit drive:	Permanent
In accordance with Directive 2000/14/EC:	
Guaranteed sound power level L_{WAd}	102 dB(A)
In accordance with Directive 2006/42/EC:	
Sound pressure level at workplace L_{pA}	92 dB(A)
Uncertainty K_{pA}	3 dB(A)

DE

EN

FR

NL

IT

ES

PT

NO

SV

FI

DA

PL

SL

SK

HU

Tightening torque, blade set: 52 – 60 Nm
Tightening torque, reversible blade: 22 – 28 Nm
L/W/H: 128/77/140 cm
Weight: 42 kg

17.1 REACH

REACH is an EC Directive for the registration, evaluation, authorisation and restriction of chemicals.

Information on compliance with the REACH Directive (EC) No. 1907/2006 is available from www.stihl.com/reach.

18. Troubleshooting

-  See engine instruction manual.
-  If necessary, contact a specialist dealer; STIHL recommends STIHL specialist dealers.

Fault:

Engine not starting

Possible cause:

- Feed chute not properly closed
- Blocked blade disc
- No fuel in tank; blocked fuel line
- Inferior, dirty or old fuel in tank
- Spark plug socket detached from spark plug; ignition lead not properly fastened to socket
- Dirty air filter
- Dirty or damaged spark plug; incorrect electrode gap

- Engine flooded due to several starting attempts

Remedy:

- Close feed chute properly and tighten screws (⇒ 7.7)
- Remove shredder deposits from housing (**important:** first detach spark plug socket)
- Top up fuel; clean fuel line (⇒ 7.9)
- Always use fresh, good quality fuel, normal unleaded petrol; clean carburettor (⇒ 7.9)
- Connect spark plug socket; check connection between ignition lead and socket  ✖
- Clean air filter  ✖
- Clean or replace spark plug; adjust electrode gap  ✖
- Remove spark plug and dry; pull recoil starter rope repeatedly with spark plug removed (switch in **O** position)

Fault:

Engine overheating

Possible cause:

- Dirty cooling ribs
- Oil level in engine too low
- Surface of engine covered with shredded material

Remedy:

- Clean cooling ribs ($\Rightarrow$ 11.2)
- Top up engine oil ($\Rightarrow$ 7.9)
- Remove shredded material from the engine

Fault:

Shredding material is not drawn in

Possible cause:

- Blunt or incorrectly ground blades

Remedy:

- Reverse or re-sharpen blade; ensure sharpening angle of 30° ($\Rightarrow$ 11.3) ✕

Fault:

Reduced shredding performance

Possible cause:

- Blunt blades
- Incorrectly ground blades
- Bent blade disc

Remedy:

- Re-sharpen or replace blades (⇒ 11.3) ✖
- Sharpen blades correctly (⇒ 11.3) ✖
- Visually inspect blade disc and replace if necessary (⇒ 7.6)

Fault:

Excessive vibration during operation,
abnormal noises, rattling

Possible cause:

- Faulty blade disc or blades
- Loose engine mounting
- Bolts loose

Remedy:

- Check blade discs, blades, blade shaft, screws, nuts, washers and bearings of cutting unit, repair if necessary ✕
- Tighten engine mounting bolts ✕
- Ensure secure seating of bolts ✕

19. Service schedule

19.1 Handover confirmation

Model: _____

Serial number:

--	--	--	--	--	--	--	--

Date: _____



Next service _____

Date: _____

19.2 Service confirmation

Please hand this instruction manual to your STIHL specialist dealer in the case of maintenance operations. He will confirm the service operations performed in the pre-printed boxes.



Service performed on



Next service date