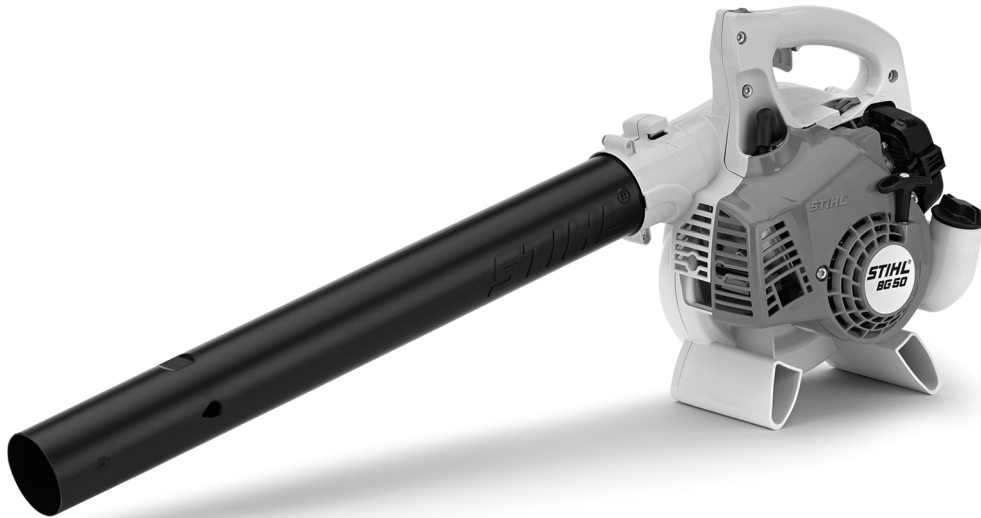


STIHL

STIHL BG 50

Instruction Manual



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Dear Customer,

Thank you for choosing a quality engineered STIHL product.

It has been built using modern production techniques and comprehensive quality assurance. Every effort has been made to ensure your satisfaction and trouble-free use of the product.

Please contact your dealer or our sales company if you have any queries concerning this product.

Your



Dr. Nikolas Stihl

STIHL

Guide to Using this Manual

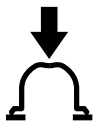
Pictograms

The meanings of the pictograms attached to the machine are explained in this manual.

Depending on the model concerned, the following pictograms may be attached to your machine.



Fuel tank; fuel mixture of gasoline and engine oil



Operate manual fuel pump

Symbols in text



WARNING

Warning where there is a risk of an accident or personal injury or serious damage to property.



NOTICE

Caution where there is a risk of damaging the machine or its individual components.

Engineering improvements

STIHL's philosophy is to continually improve all of its products. For this reason we may modify the design, engineering and appearance of our products periodically.

Therefore, some changes, modifications and improvements may not be covered in this manual.

Safety Precautions and Working Techniques



Special safety precautions must be observed when working with a power tool.



It is important that you read the instruction manual before first use and keep it in a safe place for future reference. Non-observance of the instruction manual may result in serious or even fatal injury.

Observe all applicable local safety regulations, standards and ordinances.

If you have not used this model before: Have your dealer or other experienced user show you how it is operated or attend a special course in its operation.

Minors should never be allowed to use this product.

Keep bystanders, especially children, and animals away from the work area.

When the power tool is not in use, put it in a place where it does not endanger others. Secure it against unauthorized use.

The user is responsible for avoiding injury to third parties or damage to their property.

Do not lend or rent your power tool without the instruction manual. Be sure that anyone using it understands the information contained in this manual.

In some countries the operation of noise emitting power tools is restricted by local regulations. Observe country-specific requirements and regulations.

Do not use a pressure washer to clean your power tool. The solid jet of water may damage parts of the power tool.

Accessories and Spare Parts

Only use parts and accessories that are explicitly approved for this power tool by STIHL or are technically identical. If you have any questions in this respect, consult a servicing dealer. Use only high quality parts and accessories in order to avoid the risk of accidents and damage to the machine.

STIHL recommends the use of genuine STIHL replacement parts. They are specifically designed to match the product and meet your performance requirements.

Never attempt to modify your machine in any way since this may increase the risk of personal injury. STIHL excludes all liability for personal injury and damage to property caused while using unauthorized attachments.

Physical Condition

To operate this power tool you must be rested, in good physical condition and mental health. If you have any condition that might be aggravated by strenuous work, check with your doctor before operating a power tool.

Persons with pacemakers only: The ignition system of your power tool produces an electromagnetic field of a

very low intensity. This field may interfere with some pacemakers. To reduce health risks, STIHL recommends that persons with pacemakers consult their physician and the pacemaker manufacturer before operating this power tool.

Do not operate the power tool if you are under the influence of any substance (drugs, alcohol) which might impair vision, dexterity or judgment.

Intended Use

The blower is designed for blow-sweeping leaves, grass, paper and similar materials, e.g. in gardens, sports stadiums, car parks and driveways. It is also suitable for blow-sweeping forest paths.

Do not use your power tool for any other purpose because of the **increased risk of accidents**.

Do not operate or store your power tool at temperatures below -10°C – exposure to low temperatures may damage machine components.

Personal Protective Equipment

Wear proper protective clothing and equipment.



Clothing must be sturdy but allow complete freedom of movement. Wear snug-fitting clothing, an overall and jacket combination, do not wear a work coat.

Avoid any clothing, scarves, neckties, jewellery or anything that could get into the air intake. Tie up and confine long hair (e.g. with a hair net, cap, hard hat, etc.).

Wear sturdy shoes with non-slip soles.

WARNING



To reduce the risk of eye injuries, wear close-fitting safety glasses in accordance with European Standard EN 166. Make sure the safety glasses are a comfortable and snug fit.

Wear hearing protection, e.g. earplugs or ear muffs.

Transporting the Power Tool

Always stop the engine.

Transporting in a vehicle:

- Properly secure your power tool to prevent turnover, fuel spillage and damage.

Fueling



Gasoline is an extremely flammable fuel. Keep clear of naked flames. Do not spill any fuel – do not smoke.

Always **shut off the engine** before refueling.

Do not fuel a hot engine – **fuel may spill and cause a fire.**

Open the fuel cap carefully to allow any pressure build-up in the tank to release slowly and avoid fuel spillage.

Fuel your power tool only in well-ventilated areas. If you spill fuel, wipe the machine immediately – if fuel gets on your clothing, change immediately.



Check for leakage. To reduce the **risk of serious of fatal burn injuries**, do not start or run the engine until leak is fixed.



After fueling, tighten down the screw-type fuel cap as securely as possible.

This reduces the risk of unit vibrations causing the fuel cap to loosen or come off and spill quantities of fuel.

Before Starting

Check that your power tool is properly assembled and in good condition – refer to appropriate chapters in the instruction manual.

- Check the fuel system for leaks, paying special attention to visible parts such as the tank cap, hose connections and the manual fuel pump (on machines so equipped). If there are any leaks or damage, do not start the engine – **risk of fire**. Have your machine repaired by a servicing dealer before using it again.
- Throttle trigger must move freely and spring back to the idle position when released.

- Stop switch must move easily to 0
- Check that the spark plug boot is secure – a loose boot may cause arcing that could ignite combustible fumes **and cause a fire**.
- Check condition of blower wheel and blower housing – see chapter on "Using the Unit".
- A worn blower housing (cracks, nicks, chips) may result in an increased risk of injury from thrown foreign objects.
- If either the blower wheel or blower housing is damaged, consult your dealer – STIHL recommends you contact a STIHL servicing dealer.
- Never attempt to modify the controls or safety devices in any way.

To reduce the risk of accidents, do not operate your power tool if it is not properly assembled and in good condition.

Starting the Engine

Start the engine at least 3 meters from the fueling spot, outdoors only.

Your power tool is designed to be operated by one person only. Do not allow other persons in the work area – even when starting.

Do not drop start the power tool – start the engine as described in the instruction manual.

Place the power tool on level ground, make sure you have secure footing, hold the power tool securely.

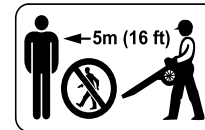
As soon as the engine starts, the air flow may throw small objects (e.g. stones) in your direction.

During Operation



Do not direct the air blast towards bystanders or animals since the air flow can blow small objects at great speed.

In the event of impending danger or in an emergency, switch off the engine immediately by moving the stop switch to 0.



To reduce the risk of injury from thrown objects, do not allow any other persons within a radius of 5 meters of your own position.

Never leave a running machine unattended.

Take special care in slippery conditions, on slopes or uneven ground.

Watch out for obstacles such as tree stumps, roots and ditches which could cause you to trip or stumble.

Never work on a ladder or any other insecure support.

Be particularly alert and cautious when wearing hearing protection because your ability to hear warnings (shouts, alarms, etc.) is restricted.

To reduce the risk of accidents, take a break in good time to avoid tiredness or exhaustion.

Work calmly and carefully – in daylight conditions and only when visibility is good. Stay alert so as not to endanger others.

When blow-sweeping (in open ground and gardens), watch out for small animals to avoid harming them.

After finishing work, put the unit down on a level, non-flammable surface. **To reduce the risk of fire**, do not put it down near easily combustible materials (e.g. wood chips, bark, dry grass, fuel).



Your power tool produces **toxic exhaust fumes** as soon as the engine is running. These fumes may be colorless and odorless and contain unburned hydrocarbons and benzol. Never run the engine indoors or in poorly ventilated locations, even if your model is equipped with a catalytic converter.

To reduce the risk of serious or fatal injury from breathing toxic fumes, ensure proper ventilation when working in trenches, hollows or other confined locations.

To reduce the risk of accidents, stop work immediately in the event of nausea, headache, visual disturbances (e.g. reduced field of vision), problems with hearing, dizziness, deterioration in ability to concentrate. Apart from other possibilities, these symptoms may be

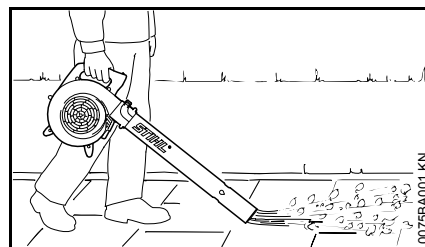
caused by an excessively high concentration of exhaust gases in the work area.

The dust that occurs during operation may be harmful to health. If dust levels are very high, wear a suitable respirator.

To reduce the risk of fire, do not smoke while operating or standing near your power tool. Note that combustible fuel vapor may escape from the fuel system.

If your power tool is subjected to unusually high loads for which it was not designed (e.g. heavy impact or a fall), always check that it is in good condition before continuing work – see also "Before Starting Work". Check the fuel system in particular for leaks and make sure the safety devices are working properly. Do not continue operating your power tool if it is damaged. In case of doubt, consult your servicing dealer.

Using the Blower



Your blower is designed for one-handed operation. It must be carried by the control handle in the right hand.

Always hold the power tool firmly in your hand.

Watch out for small animals when using the blower on open ground, in yards and gardens.

Walk slowly forwards as you work – observe the nozzle outlet at all times – do not walk backwards – **risk of stumbling**.



WARNING

To reduce the risk of injury, operate the unit only with a properly mounted blower tube.

Working Technique

To minimize blowing time, use a rake and broom to loosen dirt particles before you start blowing.

Recommended working technique to minimize air pollution:

- If necessary, dampen the surface to be cleaned in order to avoid creating too much dust.
- Do not blow particles in the direction of bystanders, in particular in the direction of children, pets, open windows or freshly washed vehicles. Take special care in such situations.
- Remove the blow-swept debris in rubbish bins – do not blow it onto the neighbor's land.

Recommended working technique to minimize noise:

- Operate your power tool at reasonable times only – not early in the morning, late at night or during midday rest periods when people could be disturbed. Observe local rest periods.
- Operate blowers at the lowest engine speed necessary to accomplish the task.
- Check your blower before starting work. Pay special attention to the muffler, air intakes and air filter.

Vibrations

Prolonged use of the power tool may result in vibration-induced circulation problems in the hands (whitefinger disease).

No general recommendation can be given for the length of usage because it depends on several factors.

The period of usage is prolonged by:

- Hand protection (wearing warm gloves)
- Work breaks

The period of usage is shortened by:

- Any personal tendency to suffer from poor circulation (symptoms: frequently cold fingers, tingling sensations).
- Low outside temperatures.
- The force with which the handles are held (a tight grip restricts circulation).

Continual and regular users should monitor closely the condition of their hands and fingers. If any of the above symptoms appear (e.g. tingling sensation in fingers), seek medical advice.

Maintenance and Repairs

Service the machine regularly. Do not attempt any maintenance or repair work not described in the instruction manual. Have all other work performed by a servicing dealer.

STIHL recommends that you have servicing and repair work carried out exclusively by an authorized STIHL servicing dealer. STIHL dealers are regularly given the opportunity to attend training courses and are supplied with the necessary technical information.

Only use high-quality replacement parts in order to avoid the risk of accidents and damage to the machine. If you have any questions in this respect, consult a servicing dealer.

STIHL recommends the use of original STIHL replacement parts. They are specifically designed to match your model and meet your performance requirements.

To reduce the risk of injury, **always shut off the engine** before carrying out any maintenance or repairs or cleaning the machine. – Exception: Carburetor and idle speed adjustments.

Do not turn the engine over on the starter with the spark plug boot or spark plug removed unless the slide control /

stop switch is on **STOP** or **0** since there is otherwise a **risk of fire** from uncontained sparking.

To reduce the **risk of fire**, do not service or store your machine near open flames.

Check the fuel filler cap for leaks at regular intervals.

Use only a spark plug of the type approved by STIHL and make sure it is in good condition – see "Specifications".

Inspect the ignition lead (insulation in good condition, secure connection).

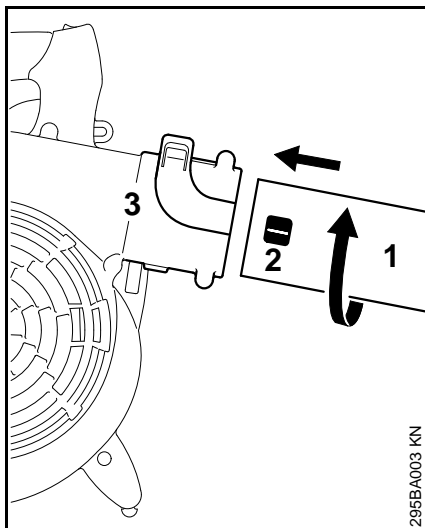
Check the condition of the muffler.

To reduce the **risk of fire and damage to hearing**, do not operate your machine if the muffler is damaged or missing. –

Do not touch a hot muffler since **burn injury** will result.

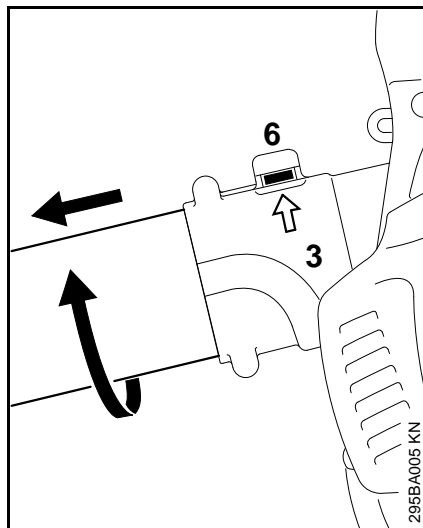
Assembling the Blower

Mounting the Blower Tube



- Push the blower tube (1) with lug (2) into the fan housing stub (3) and rotate it in the direction of the arrow to lock in position.

Removing the Blower Tube



- Use a suitable tool to lift the tab (6) on the fan housing stub (3).
- Rotate the blower tube in the direction of the arrow and then pull it out.

Fuel

Your engine requires a mixture of gasoline and engine oil.

! WARNING

For health reasons, avoid direct skin contact with gasoline and avoid inhaling gasoline vapor.

STIHL MotoMix

STIHL recommends the use of STIHL MotoMix. This ready-to-use fuel mix contains no benzol or lead, has a high octane rating and ensures that you always use the right mix ratio.

STIHL MotoMix uses STIHL HP Ultra two-stroke engine oil for an extra long engine life.

MotoMix is not available in all markets.

Mixing Fuel

⚙ NOTICE

Unsuitable fuels or lubricants or mix ratios other than those specified may result in serious damage to the engine. Poor quality gasoline or engine oil may damage the engine, sealing rings, hoses and the fuel tank.

Gasoline

Use only high-quality **brand-name** gasoline with a minimum octane rating of 90 – leaded or unleaded.

Gasoline with an ethanol content of more than 10% can cause running problems in engines with a manually adjustable carburetor and should not be used in such engines.

Engines equipped with M-Tronic deliver full power when run on gasoline with an ethanol content of up to 25% (E25).

Engine Oil

If you mix the fuel yourself, use only STIHL two-stroke engine oil or another high-performance engine oil in accordance with JASO FB, JASO FC, JASO FD, ISO-L-EGB, ISO-L-EGC or ISO-L-EGD.

STIHL specifies STIHL HP Ultra two-stroke engine oil or an equivalent high-performance engine oil in order to maintain emission limits over the machine's service life.

Mix Ratio

STIHL 50:1 two-stroke engine oil: 50 parts gasoline to 1 part oil

Examples

Gasoline Liters	STIHL engine oil 50:1 Liters (ml)
1	0.02 (20)
5	0.10 (100)
10	0.20 (200)
15	0.30 (300)
20	0.40 (400)
25	0.50 (500)

- Use a canister approved for storing fuel. Pour oil into canister first, then add gasoline and mix thoroughly.

Storing Fuel

Store fuel only in approved safety-type fuel canisters in a dry, cool and safe location protected from light and the sun.

Fuel mix ages – only mix sufficient fuel for a few weeks work. Do not store fuel mix for longer than 30 days. Exposure to light, the sun, low or high temperatures can quickly make the fuel mix unusable.

STIHL MotoMix may be stored for up to 2 years without any problems.

- Thoroughly shake the mixture in the canister before fueling your machine.

WARNING

Pressure may build up in the canister – open it carefully.

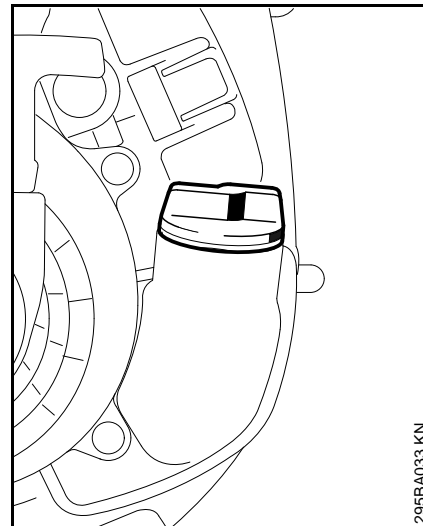
- Clean the fuel tank and canister from time to time.

Dispose of remaining fuel and cleaning fluid properly in accordance with local regulations and environmental requirements.

Fueling



Preparations



- Before fueling, clean the filler cap and the area around it to ensure that no dirt falls into the tank.
- Position the machine so that the tank cap faces up.

STIHL recommends you use the STIHL filler nozzle for fuel (special accessory).

Filling Up with Fuel

Take care not to spill fuel while fueling and do not overfill the tank.

- Open the cap.
- Fill up with fuel.
- Close the cap.

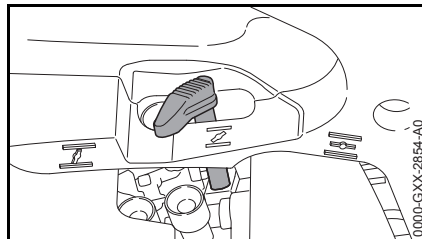
! WARNING

After fueling, tighten down the filler cap as securely as possible by hand.

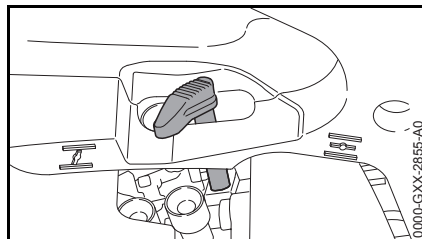
Starting / Stopping the Engine

The blower may be equipped with different carburetors.

Version A

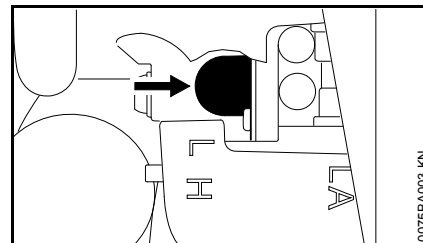


Version B

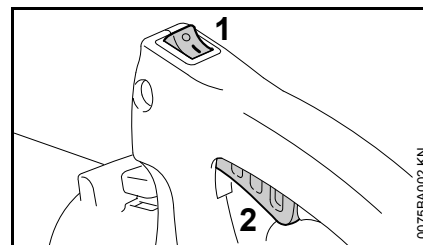


Starting the Engine – Version A

- Observe safety precautions.



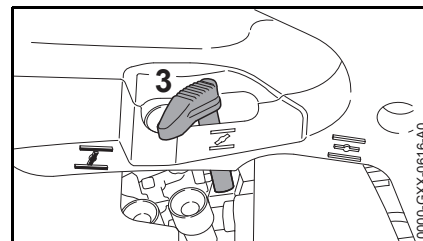
- Press the fuel pump bulb at least five times – even if the bulb is already filled with fuel.



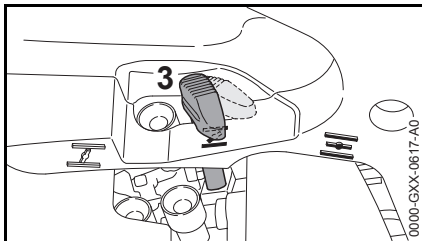
- Move the stop switch (1) to the run position I



Setting the choke lever

If the engine is cold





- Move the choke lever (3) to **I**
- Pull the throttle trigger (2) and hold it there.
- Crank engine until it begins to fire.



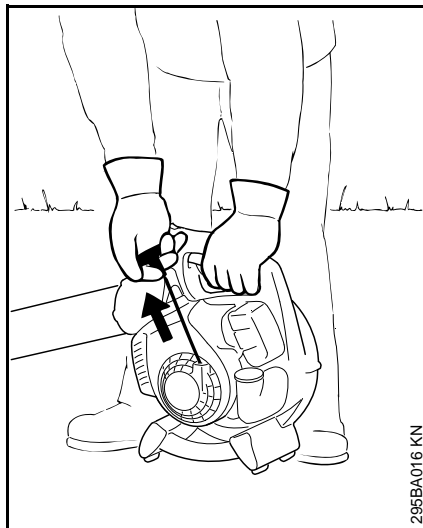
- Move the choke lever (3) to .
- Pull the throttle trigger (2) and hold it there.
- Continue cranking until the engine runs.
- Wait 10 seconds, then move the choke lever (3) to .

If the engine is warm

Also use this setting if the engine has been running but is still cold.

- Move the choke lever (3) to .
- Pull the throttle trigger (2) and hold it there.
- Continue cranking until the engine runs.
- Wait 10 seconds, then move the choke lever (3) to .

Cranking



- Place the unit on the ground so that it is secure.
- Make sure you have a firm footing: Hold the unit firmly with your left hand on the housing and press down.
- Hold the starter grip with your right hand.
- Pull the starter grip slowly until you feel it engage and then give it a brisk strong pull.

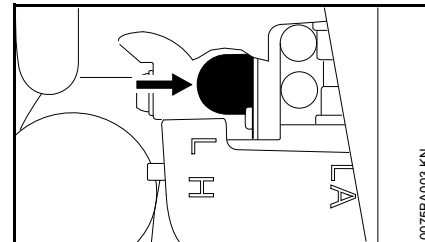
NOTICE

Do not pull out the starter rope all the way – it might otherwise break.

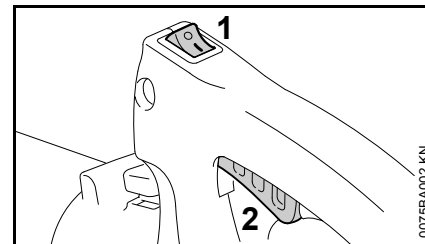
- Do not let the starter grip snap back. Guide it slowly back into the housing so that the starter rope can rewind properly.

Starting the Engine – Version B

- Observe safety precautions.



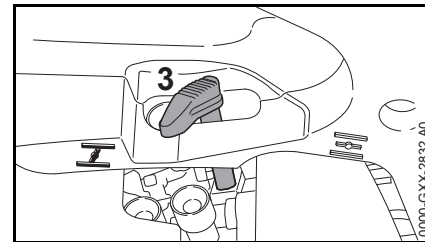
- Press the fuel pump bulb at least five times – even if the bulb is already filled with fuel.



- Move the stop switch (1) to the run position I

Setting the choke lever

If the engine is cold



- Move the choke lever (3) to .

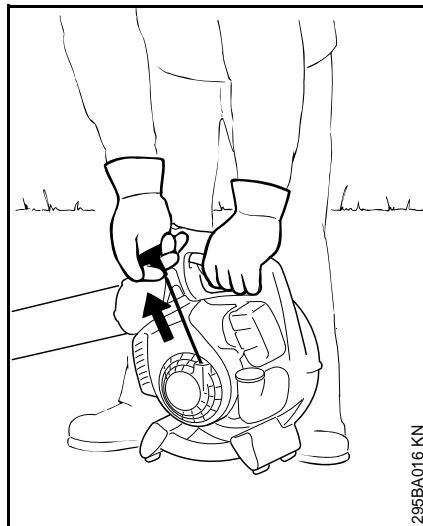
- Pull the throttle trigger (2) and hold it there.
- Crank engine until it begins to fire.
- Set the choke lever (3) to $\overline{\text{I}}$.
- Pull the throttle trigger (2) and hold it there.
- Continue cranking until the engine runs.

If the engine is warm

Also use this setting if the engine has been running but is still cold.

- Set the choke lever (3) to $\overline{\text{I}}$.
- Pull the throttle trigger (2) and hold it there.
- Continue cranking until the engine runs.

Cranking



- Place the unit on the ground so that it is secure.
- Make sure you have a firm footing: Hold the unit firmly with your left hand on the housing and press down.
- Hold the starter grip with your right hand.
- Pull the starter grip slowly until you feel it engage and then give it a brisk strong pull.

NOTICE

Do not pull out the starter rope all the way – it might otherwise break.

- Do not let the starter grip snap back. Guide it slowly back into the housing so that the starter rope can rewind properly.

Stopping the Engine

- Move the stop switch to 0

Other Hints on Starting

If the engine stops during warm-up or acceleration

- Repeat the starting procedure – see "If the engine is cold".

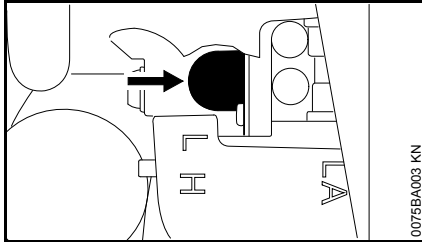
If engine does not start

- Make sure all settings are correct (choke shutter, stop switch in run position I).
- Repeat the starting procedure.

If the engine still does not start

- Move the stop switch to 0
- Remove the spark plug – see "Spark Plug".
- Dry the spark plug.
- Crank the engine several times with the starter to clear the combustion chamber.
- Refit the spark plug – see "Spark Plug".
- Move the stop switch to I
- set the choke lever to $\overline{\text{I}}$ – even if the engine is cold.
- Pull the throttle trigger (2) and hold it there.
- Now start the engine.

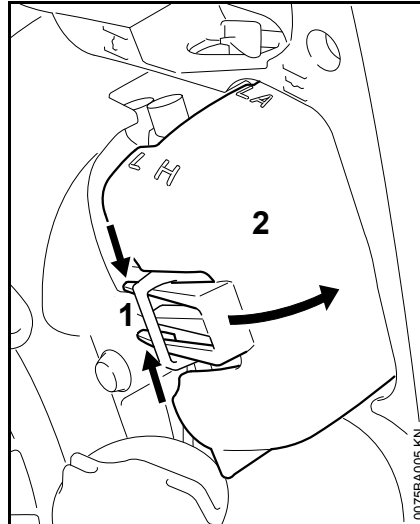
If fuel tank has been run completely dry and then refueled



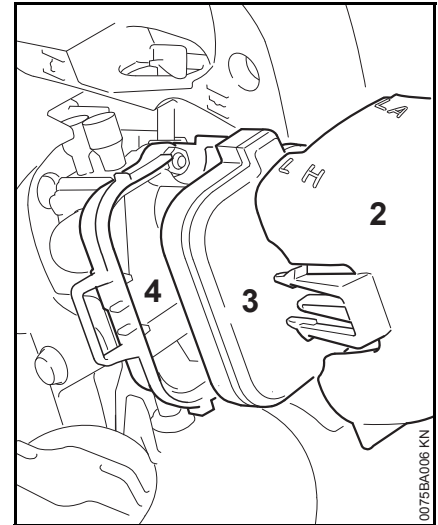
- Press the fuel pump bulb at least five times – even if the bulb is already filled with fuel.
- Set the choke lever according to engine temperature.
- Now start the engine.

Cleaning the Air Filter

If there is a noticeable loss of engine power



- Move the choke lever to \overline{I}
- Squeeze the tabs (1) together.
- Swing the filter cover (2) open and take it away.
- Clean away loose dirt from around the filter.



- Take the filter (3) out of the filter housing (4).
 - Install a new filter. Temporary measure: wash the filter.
- Replace any damaged parts.
- Fit the filter (3) in the filter housing (4).
 - Fit the filter cover (2) so that it snaps into position.

Adjusting the Carburetor

General Information

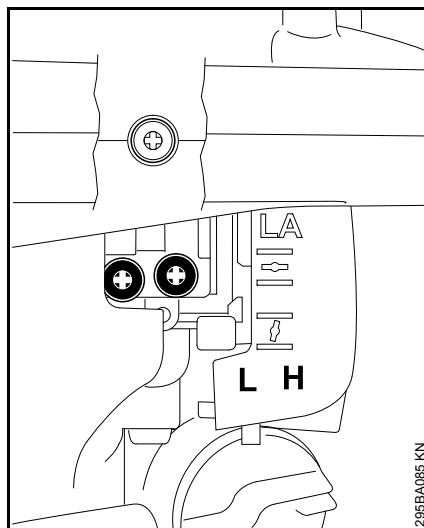
The carburetor comes from the factory with a standard setting.

This setting provides an optimum fuel-air mixture under most operating conditions.

Preparations

- Shut off the engine.
- Check the air filter and clean or replace if necessary.
- Check the spark arresting screen (not in all models, country-specific) in the muffler and clean or replace if necessary.

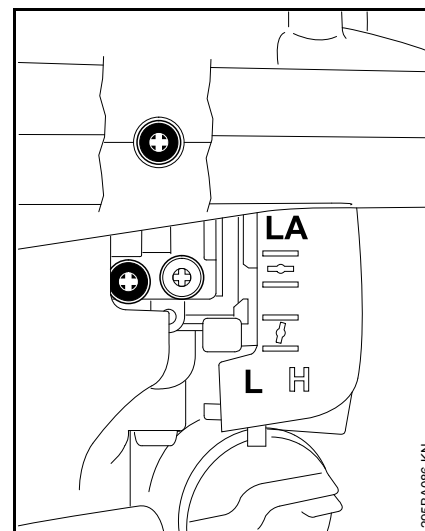
Standard Setting



- Turn high speed screw (H) counterclockwise as far as stop (no more than 3/4 turn).
- Turn the low speed screw (L) clockwise as far as stop, then turn it back 3/4 turn.

Adjusting Idle Speed

- Carry out the standard setting.
- Start and warm up the engine.



Engine stops while idling

- Turn the idle speed screw (LA) clockwise until the engine runs smoothly – then back it off a 1/4 turn from that position.

Erratic idling behavior, poor acceleration (despite correction to setting of LA screw).

Idle setting is too lean

- Turn the low speed screw (L) carefully counterclockwise, no further than stop, until the engine runs smoothly and accelerates well.

Erratic idling behavior, engine speed drops when swinging the machine

Idle setting is too rich

- Turn the low speed screw (L) slowly clockwise until the engine runs and accelerates smoothly.

It is usually necessary to change the setting of the idle speed screw (LA) after every correction to the low speed screw (L).

Fine Tuning for Operation at High Altitude

A slight correction of the setting may be necessary if the engine does not run satisfactorily:

- Carry out the standard setting.
- Warm up the engine.
- Turn high speed screw (H) slightly clockwise (leaner) – no further than stop.



NOTICE

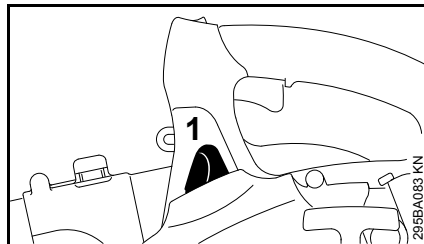
After returning from high altitude, reset the carburetor to the standard setting.

If the setting is too lean there is a risk of engine damage due to insufficient lubrication and overheating.

Spark Plug

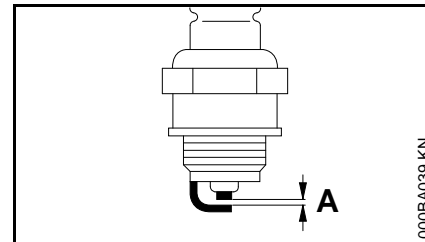
- If the engine is down on power, difficult to start or runs poorly at idle speed, first check the spark plug.
- Fit a new spark plug after about 100 operating hours – or sooner if the electrodes are badly eroded. Install only suppressed spark plugs of the type approved by STIHL – see "Specifications".

Removing the Spark Plug



- Pull off the spark plug boot (1).
- Unscrew the spark plug.

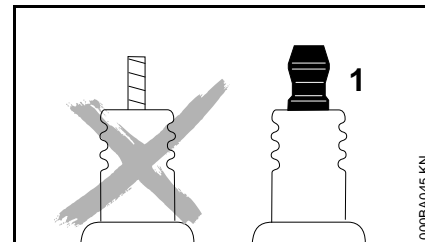
Checking the Spark Plug



- Clean dirty spark plug.
- Check electrode gap (A) and readjust if necessary – see "Specifications".
- Rectify the problems which have caused fouling of the spark plug.

Possible causes are:

- Too much oil in fuel mix.
- Dirty air filter.
- Unfavorable running conditions.

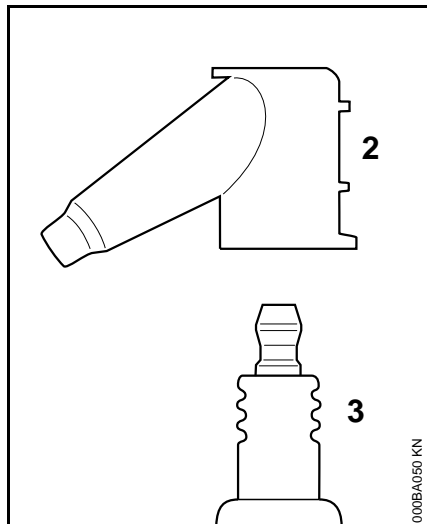


WARNING

Arcing may occur if the adapter nut (1) is loose or missing. Working in an easily combustible or explosive atmosphere may cause a fire or an explosion. This can result result in serious injuries or damage to property.

- Use resistor type spark plugs with a properly tightened adapter nut.

Installing the Spark Plug



- Screw the spark plug (3) into the cylinder and fit the boot (2) (press it down firmly).

Engine Running Behavior

If engine running behavior is unsatisfactory even though the air filter is clean and the carburetor is properly adjusted, the cause may be the muffler.

Have the muffler checked for contamination (carbonization) by your servicing dealer.

STIHL recommends that you have servicing and repair work carried out exclusively by an authorized STIHL servicing dealer.

Spark Arresting Screen in Muffler

Spark arresting screen in muffler

- If the engine is down on power, check the spark arresting screen in the muffler.

STIHL recommends that you have servicing and repair work carried out exclusively by an authorized STIHL servicing dealer.

Storing the Machine

For periods of 3 months or longer

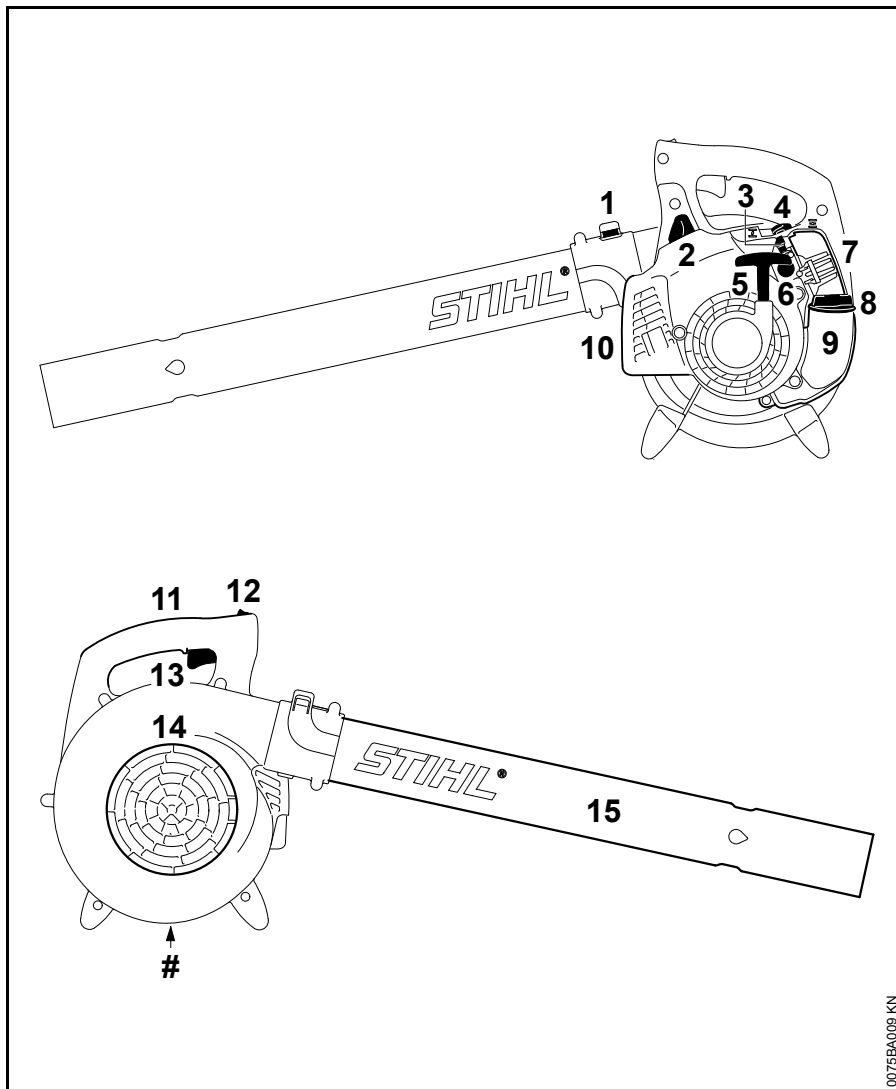
- Drain and clean the fuel tank in a well ventilated area.
- Dispose of fuel properly in accordance with local environmental requirements.
- Run the engine until the carburetor is dry – this helps prevent the carburetor diaphragms sticking together.
- Thoroughly clean the machine – pay special attention to the cylinder fins and air filter.
- Store the machine in a dry, high or locked location, – out of the reach of children and other unauthorized persons.

Maintenance and Care

The following intervals apply to normal operating conditions only. If your daily working time is longer or operating conditions are difficult (very dusty work area, etc.), shorten the specified intervals accordingly.		before starting work	after finishing work or daily	after each refueling stop	weekly	monthly	every 12 months	if problem	if damaged	as required
Complete machine	Visual inspection (condition, wear, leaks)	x		x						
	Clean		x							
Control handle	Check operation	x		x						
Air filter	Clean							x		x
	Replace								x	x
Manual fuel pump	Check	X								
	Have repaired by servicing dealer ¹⁾								X	
Pickup body in fuel tank	Check							x		
	Have replaced by dealer ¹⁾						x		x	x
Fuel tank	Clean							x		x
Carburetor	Check idle setting	x		x						
	Readjust idle									x
Spark plug	Readjust electrode gap							x		
	Replace after 100 operating hours									
Spark arrestor in muffler	Check							x		
	Have replaced by dealer ¹⁾								x	x
Cooling inlets	Clean									x
All accessible screws and nuts (not adjusting screws)	Retighten									x
Safety labels	Replace								x	

¹⁾ STIHL recommends an authorized STIHL servicing dealer.

Main Parts



- 1 Tab
- 2 Spark Plug Boot
- 3 Carburetor Adjusting Screw
- 4 Choke Lever
- 5 Starter Grip
- 6 Manual Fuel Pump
- 7 Filter Housing
- 8 Fuel Filler Cap
- 9 Fuel Tank
- 10 Muffler (with Spark Arresting Screen)
- 11 Control Handle
- 12 Switch
- 13 Throttle Trigger
- 14 Intake Screen
- 15 Blower Tube
- # Serial Number

0075BA009 KN

Definitions

1. **Tab**
Designed to secure the blower tube to the machine.
2. **Spark Plug Boot**
Connects the spark plug to the ignition lead.
3. **Carburetor Adjusting Screws**
For tuning the carburetor.
4. **Choke Lever**
Eases engine starting by enriching mixture.
5. **Starter Grip**
The grip of the pull starter, for starting the engine.
6. **Manual Fuel Pump**
Provides additional fuel feed for a cold start.
7. **Filter Housing**
Covers and protects the air filter element.
8. **Fuel Filler Cap**
For closing the fuel tank.
9. **Fuel Tank**
For fuel and oil mixture.
10. **Muffler (with Spark Arresting Screen)**
Reduces engine exhaust noises and diverts exhaust gases away from operator. Spark arresting screen is designed to reduce the risk of fire.
11. **Control Handle**
The handle of the blower held by the right hand.

12. **Switch**
To switch the machine in position ON and OFF.
13. **Throttle Trigger**
Controls the speed of the engine.
14. **Intake Screen**
Fits over intake opening and reduces the risk of direct contact with the fan wheel, which is located under the screen.
15. **Blower Tube**
Directs the airstream.

Specifications

Engine

STIHL single cylinder two-stroke engine

Displacement:	27.2 cc
Bore:	34 mm
Stroke:	30 mm
Idle speed:	2,800 rpm

Ignition System

Electronic magneto ignition

Spark plug (resistor type):	Bosch WSR 6 F, NGK BPMR 7 A
Electrode gap:	0.5 mm

Fuel System

All position diaphragm carburetor with integral fuel pump

Fuel tank capacity:	430 cc (0.43 l)
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Blowing performance

Blowing force:	13 N
Air velocity:	60 m/s
Air flow rate:	700 m ³ /h
Maximum air velocity:	71 m/s

Weight

dry:	3.6 kg
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Noise and Vibration Data

Noise and vibration data are measured at idling and maximum rated speed in a ratio of 1:6.

For further details on compliance with Vibration Directive 2002/44/EC see www.stihl.com/vib.

Sound pressure level L_{peq} to DIN EN 15503

BG 50: 92 dB(A)

Sound power level L_w to DIN EN 15503

BG 50: 105 dB(A)

Vibration measurement $a_{hv,eq}$ to DIN EN 15503

Handle,
right
BG 50: 10,5 m/s²

The K-factor in accordance with Directive 2006/42/EC is 2.0 dB(A) for the sound pressure level and sound power level; the K-factor in accordance with Directive 2006/42/EC is 2.0 m/s² for the vibration level.

REACH

REACH is an EC regulation and stands for the Registration, Evaluation, Authorisation and Restriction of Chemical substances.

For information on compliance with the REACH regulation (EC) No. 1907/2006 see www.stihl.com/reach.

Exhaust Emissions

The CO₂ value measured in the EU type approval procedure is specified at www.stihl.com/co2.

The measured CO₂ value was determined on a representative engine in accordance with a standardized test procedure under laboratory conditions and does not represent either an explicit or implied guarantee of the performance of a specific engine.

The applicable exhaust emission requirements are fulfilled by the intended usage and maintenance described in this instruction manual. The type approval expires if the engine is modified in any way.


Maintenance and Repairs

Users of this machine may only carry out the maintenance and service work described in this user manual. All other repairs must be carried out by a servicing dealer.

STIHL recommends that you have servicing and repair work carried out exclusively by an authorized STIHL servicing dealer. STIHL dealers are regularly given the opportunity to attend training courses and are supplied with the necessary technical information.

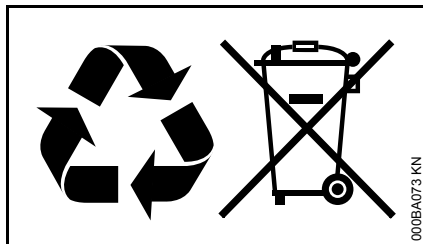
When repairing the machine, only use replacement parts which have been approved by STIHL for this power tool or are technically identical. Only use high-quality replacement parts in order to avoid the risk of accidents and damage to the machine.

STIHL recommends the use of original STIHL replacement parts.

Original STIHL parts can be identified by the STIHL part number, the **STIHL** logo and the STIHL parts symbol  (the symbol may appear alone on small parts).

Disposal

Observe all country-specific waste disposal rules and regulations.



STIHL products must not be thrown in the garbage can. Take the product, accessories and packaging to an approved disposal site for environment-friendly recycling.

Contact your STIHL servicing dealer for the latest information on waste disposal.

EC Declaration of Conformity

ANDREAS STIHL AG & Co. KG
Badstr. 115
D-71336 Waiblingen

Germany

declare in exclusive responsibility that the product

Category:	Blower
Make:	STIHL
Model:	BG 50
Serial identification:	4229
Displacement:	27.2 cc

conforms to the provisions of Directives 2011/65/EU, 2006/42/EC, 2014/30/EU and 2000/14/EC and has been developed and manufactured in compliance with the following standards in the versions valid at the time of production:

EN ISO 12100, EN 55012,
EN 61000-6-1

The measured and guaranteed sound power levels were determined according to Directive 2000/14/EC, Annex V, using the ISO 11094 standard.

Measured sound power level

BG 50: 103 dB(A)

Guaranteed sound power level

BG 50: 105 dB(A)

Technical documents deposited at:

ANDREAS STIHL AG & Co. KG
Produktzulassung (Product Licensing)

The year of manufacture and serial number are applied to the product.

Done at Waiblingen, 27.11.2018
ANDREAS STIHL AG & Co. KG

Thomas Elsner

Director Product Management and Services



0458-425-8321-C

AUS



www.stihl.com



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