

Operator's manual
Manuel d'utilisation
Manual de instrucciones

525BX

Please read the operator's manual carefully and make sure you understand the instructions before using the machine.

Lire attentivement et bien assimiler le manuel d'utilisation avant d'utiliser la machine.

Lea detenidamente el manual de instrucciones y asegúrese de entender su contenido antes de utilizar la máquina.



English (2-23)

French (24-45)

Spanish (46-67)

KEY TO SYMBOLS

Symbols

WARNING! The machine can be a dangerous tool if used incorrectly or carelessly, which can cause serious or fatal injury to the operator or others.



Please read the operator's manual carefully and make sure you understand the instructions before using the machine.



Always wear:

- Hearing protection
- Approved eye protection
- A breathing mask should be used when there is a risk of dust.



Gloves should be worn when necessary.



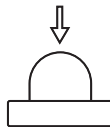
The blower can forcibly throw objects that can bounce back. This can result in serious eye injuries if the recommended safety equipment is not used.



The blower operator must make sure that no bystanders or animals come nearer than 15 metres. Whenever several operators are working in the same work area, they should maintain a safe distance of at least 15 metres from one another.

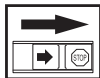


Air purge

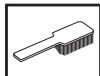


Other symbols/decals on the machine refer to special certification requirements for certain markets.

The engine is switched off by moving the stop switch to the stop position. **CAUTION!** The stop switch automatically returns to the start position. In order to prevent unintentional starting, the spark plug cap must be removed from the spark plug when assembling, checking and/or performing maintenance.



Regular cleaning is required.



Visual check.



Refuelling.



Choke lever in "open position".



Choke lever in "closed position".



WARNING

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

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Note the following before starting:

Please read the operator's manual carefully.



WARNING! Long-term exposure to noise can result in permanent hearing impairment. So always use approved hearing protection.

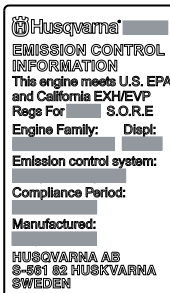


WARNING! Under no circumstances may the design of the machine be modified without the permission of the manufacturer. Always use genuine accessories. Non-authorized modifications and/or accessories can result in serious personal injury or the death of the operator or others.

Your warranty may not cover damage or liability caused by the use of non-authorized accessories or replacement parts.



WARNING! A blower is a dangerous tool if used carelessly or incorrectly and can cause serious, even fatal injuries. It is extremely important that you read and understand the contents of this Operator's manual.



This decal certifies that the product has been approved in accordance with American exhaust emissions requirements EPA Ph III and CARB Tier III. The Emissions Compliance Period referred to on the Emissions Compliance label indicates the numbers of operating hours for which the engine has been shown to meet Federal and California emission requirements.

Husqvarna AB has a policy of continuous product development and therefore reserves the right to modify the design and appearance of products without prior notice.

The blower is only designed for blowing lawns, pathways, asphalt roads and the like.

For customer assistance, contact us at our website: www.husqvarna.com

INTRODUCTION

Dear customer!

Congratulations on your choice to buy a Husqvarna product! Husqvarna is based on a tradition that dates back to 1689, when the Swedish King Karl XI ordered the construction of a factory on the banks of the Huskvarna River, for production of muskets. The location was logical, since water power was harnessed from the Huskvarna River to create the water-powered plant. During over 300 years of continuous operation, the Husqvarna factory has produced a lot of different products, from wood stoves to modern kitchen appliances, sewing machines, bicycles, motorcycles etc. In 1956, the first motor driven lawn mowers appeared, followed by chain saws in 1959, and it is within this area Husqvarna is working today.

Today Husqvarna is one of the leading manufacturers in the world of forest and garden products, with quality as our highest priority. We develop, manufacture and market high quality motor driven products for forestry and gardening as well as for building and construction industry.

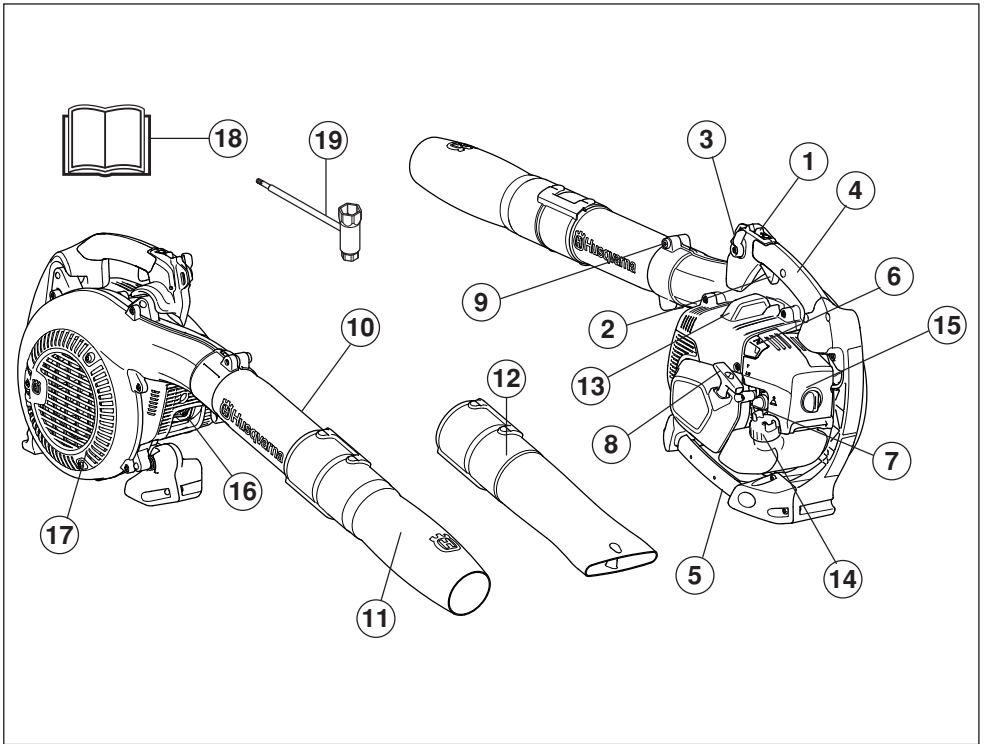
Your purchase gives you access to professional help with repairs and service whenever this may be necessary. If the retailer who sells your machine is not one of our authorized dealers, ask for the address of your nearest servicing dealer.

It is our wish that you will be satisfied with your product and that it will be your companion for a long time. Think of this operator's manual as a valuable document. By following its' content (using, service, maintenance etc) the life span and the second-hand value of the machine can be extended. If you ever lend or sell this machine, make sure that the borrower or buyer gets the operator's manual, so they will also know how to properly maintain and use it.

Thank you for using a Husqvarna product.

Husqvarna AB has a policy of continuous product development and therefore reserves the right to modify the design and appearance of products without prior notice.

WHAT IS WHAT?



What is what on the blower?

- | | |
|-----------------------------------|------------------------|
| 1 Stop switch | 11 Round nozzle |
| 2 Throttle control | 12 Flat nozzle |
| 3 Throttle settings control | 13 Spark plug |
| 4 Control handle/Operating handle | 14 Fuel cap |
| 5 Handle | 15 Air filter |
| 6 Choke control | 16 Muffler |
| 7 Primer bulb | 17 Air intake screen |
| 8 Starter handle | 18 Operator's manual |
| 9 Tube clamp screw | 19 Combination spanner |
| 10 Intermediate pipe | |

GENERAL SAFETY PRECAUTIONS

General



WARNING! Overexposure to vibration can lead to circulatory damage or nerve damage in people who have impaired circulation. Contact your doctor if you experience symptoms of overexposure to vibration. Such symptoms include numbness, loss of feeling, tingling, pricking, pain, loss of strength, changes in skin colour or condition. These symptoms normally appear in the fingers, hands or wrists. These symptoms may be increased in cold temperatures. In order to reduce the risk of whitefinger disease, the following precautions are strongly recommended.

Wear thick anti-vibration gloves.

Take more than 5 minutes of break in warm place frequently.

Maintain a firm grip at all times, but do not squeeze the handles with constant, excessive pressure.

If you feel discomfort, redness and swelling of your fingers or any other part of your body, see a doctor before getting worse.

IMPORTANT!

The blower is only designed for blowing lawns, pathways, asphalt roads and the like.

Do an overall inspection of the machine before use, see maintenance schedule.

Never use the machine if you are tired, if you have drunk alcohol, or if you are taking medication that could affect your vision, your judgement or your co-ordination.

Wear personal protective equipment. See instructions under the heading "Personal protective equipment".

Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.

Never use a machine that has been modified in any way from its original specification.

Never use a machine that is faulty. Carry out the safety checks, maintenance and service instructions described in this manual. Some maintenance and service measures must be carried out by trained and qualified specialists. See instructions under the heading Maintenance.

All covers and guards must be fitted before starting. Ensure that the spark plug cap and ignition lead are undamaged to avoid the risk of electric shock.

The blower operator must make sure that no bystanders or animals come nearer than 15 metres. Whenever several operators are working in the same work area, they should maintain a safe distance of at least 15 metres from one another.

Never allow children to use the machine.

Never allow anyone else to use the machine without first ensuring that they have read and understood the contents of the operator's manual.

Always check for any objects that may block the air intake screen before beginning work.

Always contact local authorities and make sure you are following applicable directives.

Keep all parts of your body away from hot surfaces. Metallic parts and engine cover reach high temperatures during operation and doing so could result in serious burns.

Never remove debris from the inlet screen while the engine is running. Contact with rotating blower fan result in a serious personal injury.

GENERAL SAFETY PRECAUTIONS

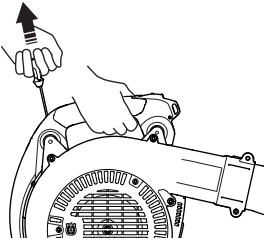


WARNING! This machine produces an electromagnetic field during operation. This field may under some circumstances interfere with active or passive medical implants. To reduce the risk of serious or fatal injury, we recommend persons with medical implants consult their physician and the medical implant manufacturer before operating this machine.

Starting

- Never start the machine indoors. Exhaust fumes can be dangerous if inhaled.
- Observe the surroundings and ensure that no people or animals can come into contact with the blower.

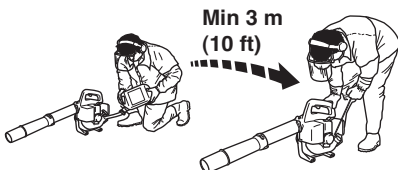
Place the machine on the ground, press the machine body against the ground with your right hand (NOTE! Not your foot). Now grasp the starter handle with your left hand and then pull quickly and firmly.



Fuel safety



- Always use a fuel container with an anti-spill valve.
- Never refuel the machine while the engine is running. Always stop the engine and let it cool for a few minutes before refueling.
- Make sure there is plenty of ventilation when refuelling or mixing fuel (gasoline and 2-stroke oil).
- Avoid all skin contact with fuel. Fuel is a skin irritant and may even cause skin changes.
- Move the machine at least 10 ft (3 m) from the refuelling point before starting it.



- Never start the machine:
 - If you have spilled fuel on it. Wipe off the spillage and allow remaining fuel to evaporate.
 - If you have spilled fuel on yourself or your clothes, change your clothes. Wash any part of your body that has come in contact with fuel. Use soap and water.
 - If the machine is leaking fuel. Check regularly for leaks from the fuel cap and fuel lines.

Transport and storage

- Store and transport the machine and fuel so that there is no risk of any leakage or fumes coming into contact with sparks or open flames, for example, from electrical machinery, electric motors, electrical relays/switches or boilers.
- When storing and transporting fuel always use approved containers intended for this purpose.
- When storing the machine for long periods the fuel tank must be emptied. Contact your local gas station to find out where to dispose of excess fuel. Empty the fuel tank and press the primer until all fuel has been emptied. Remove the spark plug and drop a spoon of 2-stroke oil in the cylinder. Turn over the engine a few times and then put the spark plug back in place.
- Ensure the machine is cleaned and that a complete service is carried out before long-term storage.
- Secure the machine during transport.
- Store the machine in a dry, cool, well-aired and dust-free location. Store the machine out of reach of children.



WARNING! Take care when handling fuel. Bear in mind the risk of fire, explosion and inhaling fumes.

SAFETY INSTRUCTIONS

Personal protective equipment



WARNING! You must use approved personal protective equipment whenever you use the machine. Personal protective equipment cannot eliminate the risk of injury but it will reduce the degree of injury if an accident does happen. Ask your dealer for help in choosing the right equipment. Please read the operator's manual carefully and make sure you understand the instructions before using the machine.

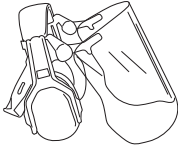


WARNING! Listen out for warning signals or shouts when you are wearing hearing protection. Always remove your hearing protection as soon as the engine stops.

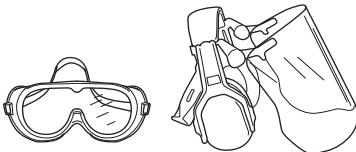
- Gloves should be worn when necessary.



- Wear hearing protection that provides adequate noise reduction.



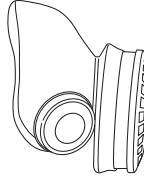
- Always wear approved eye protection. If you use a visor then you must also wear approved protective goggles. Approved protective goggles must comply with standard ANSI Z87.1 in the USA or EN 166 in EU countries. Blows from branches or objects that are thrown can damage the eyes.



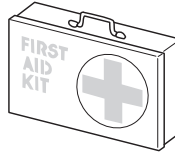
- Wear sturdy, non-slip boots.



- Always wear heavy, long pants, boots, gloves, and a long-sleeve shirt. To reduce the risk of injury associated with objects being drawn into rotating parts, do not wear loose clothing, scarves, jewelry, etc. Secure hair so it is above shoulder level.
- A breathing mask should be used when there is a risk of dust.



- Always have a first aid kit nearby.



Machine's safety equipment

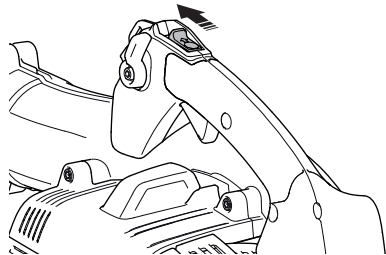
This section describes the machine's safety equipment, its purpose, and how checks and maintenance should be carried out to ensure that it operates correctly. See the "What is what?" section to locate where this equipment is positioned on your machine.



WARNING! Never use a machine that has faulty safety equipment! Carry out the inspection, maintenance and service routines listed in this section.

Stop switch

Use the stop switch to switch off the engine.

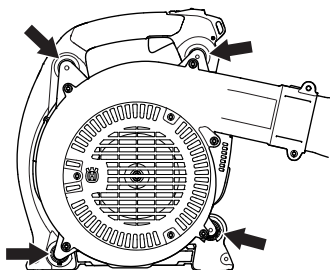


Remove the ignition cable and the spark plug to carry out inspection and maintenance.

SAFETY INSTRUCTIONS

Vibration damper

Your machine is equipped with a vibration damping system that is designed to reduce vibration and make operation easier.

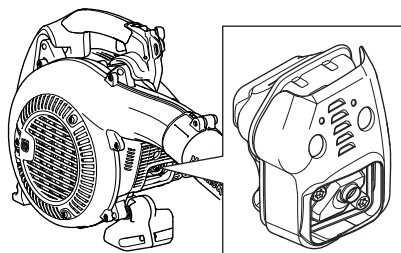


WARNING! Overexposure to vibration can lead to circulatory damage or nerve damage in people who have impaired circulation. Contact your doctor if you experience symptoms of overexposure to vibration. Such symptoms include numbness, loss of feeling, tingling, pricking, pain, loss of strength, changes in skin colour or condition. These symptoms normally appear in the fingers, hands or wrists. The risk increases at low temperatures.

Muffler



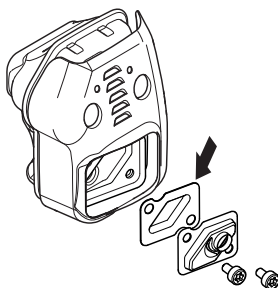
The muffler is designed to keep noise levels to a minimum and to direct exhaust fumes away from the user.



A muffler fitted with a catalytic converter is also designed to reduce harmful exhaust gases.

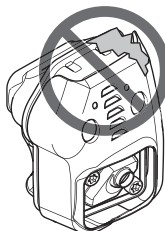
In countries that have a warm and dry climate there is a significant risk of fire. We therefore fit certain mufflers with

a spark arrestor screen. Check whether the muffler on your machine is fitted with this kind of screen.

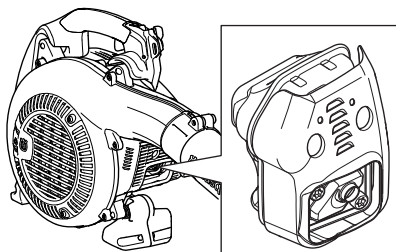


For mufflers it is very important that you follow the instructions on checking, maintaining and servicing your machine.

Never use a machine that has a faulty muffler.



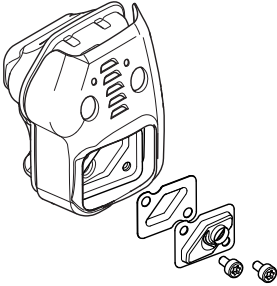
Regularly check that the muffler is securely attached to the machine.



If the muffler on your machine is fitted with a spark arrestor screen this must be cleaned regularly. A blocked

SAFETY INSTRUCTIONS

screen will cause the engine to overheat and may lead to serious damage.



NOTE!

Make sure that the spark arrestor is screwed in place correctly.



WARNING! Mufflers fitted with catalytic converters get very hot during use and remain so for some time after stopping. This also applies at idle speed. Contact can result in burns to the skin. Remember the risk of fire!



WARNING! The inside of the muffler contain chemicals that may be carcinogenic. Avoid contact with these elements in the event of a damaged muffler.

Air filter

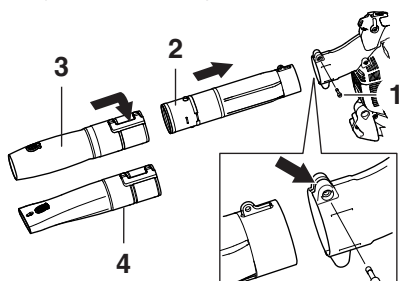
Never use the leaf blower without an air filter or with a damaged or deformed filter element as unfiltered, dusty air can quickly destroy the engine.

ASSEMBLY

Blow pipe

The blower tube has a pegged slot mounting system to the unit.

- To install or remove the blower tube, the tube clamp screw must be loosened.
- Align slot in the blower air outlet with the raised rib on the intermediate tube and insert tube until the holes in the tube and housing align.
- Re-tighten the tube clamp bolt.



- 1 Tube clamp screw
- 2 Intermediate tube
- 3 Round nozzle
- 4 High speed nozzle

FUEL HANDLING

Fuel

CAUTION! The machine is equipped with a two-stroke engine and must always be run using a mixture of gasoline and two-stroke engine oil. It is important to accurately measure the amount of oil to be mixed to ensure that the correct mixture is obtained. When mixing small amounts of fuel, even small inaccuracies can drastically affect the ratio of the mixture.



WARNING! Always ensure there is adequate ventilation when handling fuel.

Gasoline



CAUTION! Always use high grade oil mixed gasoline (minimum 87 RON).



- **This engine is certified to operate on unleaded gasoline.**
- The lowest recommended octane rating is 87. If you run the engine on lower octane rating than 87 so-called "knocking" can occur. This leads to an increased engine temperature, which can result in a serious engine breakdown.
- When working at continuous high revs a higher octane rating is recommended. Use good quality unleaded gasoline.

Ethanol blended fuel, E10 may be used (max 10% ethanol blend). Using ethanol blends higher than E10 will create lean running condition which can cause engine damage.

Two-stroke oil

- For best results and performance use HUSQVARNA two-stroke oil, which is specially formulated for our two-stroke engines. Mixture 1:50 (2%).
- If HUSQVARNA two-stroke oil is not available, you may use another two-stroke oil of good quality that is intended for air cooled engines. Contact your dealer when selecting an oil.
- Never use two-stroke oil intended for water-cooled outboard engines, sometimes referred to as outboard oil.
- Never use oil intended for four-stroke engines.

Gasoline, litre	Two-stroke oil, litre
	2% (50:1)
5	0,10
10	0.42/0,20
15	0,6/0,30
20	0,40
US gallon	US fl. oz.
1	2 1/2
2 1/2	6 1/2
5	12 7/8

Mixing

- Always mix the gasoline and oil in a clean container intended for fuel.
- Always start by filling half the amount of the gasoline to be used. Then add the entire amount of oil. Mix (shake) the fuel mixture. Add the remaining amount of gasoline.
- Mix (shake) the fuel mixture thoroughly before filling the machine's fuel tank.



- Do not mix more than one month's supply of fuel at a time.
- If the machine is not used for some time the fuel tank should be emptied and cleaned.
- **This engine is certified to operate on unleaded gasoline.**

FUEL HANDLING

Fueling



WARNING! Taking the following precautions, will lessen the risk of fire:

Refuel in a well ventilated area. Never fuel the machine indoors.

Do not smoke or place hot objects near fuel.

Always shut off the engine before refueling.

Always stop the engine and let it cool for a few minutes before refueling.

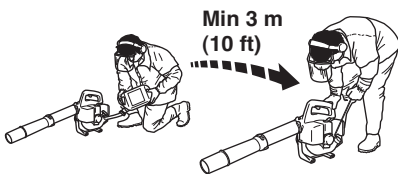
When refuelling, open the fuel cap slowly so that any excess pressure is released gently.

Tighten the fuel cap carefully after refueling.

If you have spilled fuel on it. Wipe off the spillage and allow remaining fuel to evaporate.

Always move the machine away from the refueling area and source before starting.

- Move the machine at least 10 ft (3 m) from the refuelling point before starting it.



- Clean the area around the fuel cap. Contamination in the tank can cause operating problems.
- Ensure that the fuel is well mixed by shaking the container before filling the tank.
- Check the fuel level before each use and leave space for the fuel to expand, because the heat from the engine and the sun may otherwise cause the fuel to expand and overflow.
- Keep the handle dry and free from oil and fuel.
- Always store fuel in an approved container designed for that purpose.

STARTING AND STOPPING

Starting and stopping



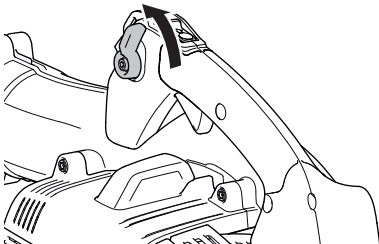
WARNING! Always move the machine away from the refueling area and source before starting. Place the machine on a flat surface.

Make sure no unauthorised persons are in the working area, otherwise there is a risk of serious personal injury. The safety distance is 15 meters (50 ft.).

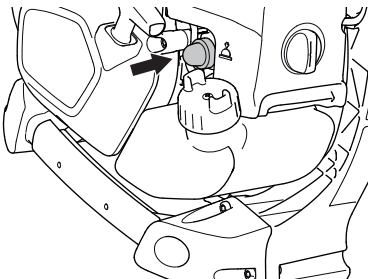
The machine may only be started in its complete design. If the machine is started without all the guards fitted there is a risk of personal injuries.

Starting

Throttle position: Set the throttle position setting to the idling position.

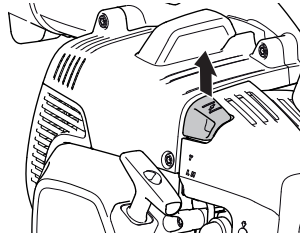


Air purge: Press the air purge repeatedly until fuel begins to fill the bulb. The bulb need not be completely filled.



Cold engine

Choke: Set the choke control in the choke position.



Hold the body of the machine on the ground using your right hand (CAUTION! Not with your foot!).

Grip the starter handle, slowly pull out the cord with your left hand until you feel some resistance (the starter pawls grip), now quickly and powerfully pull the cord. **Never wrap the starter cord around your hand**

Repeat pulling the cord until engine attempts to start (or maximum 5 pulls).

Move choke control down to run position.

Pull the cord until engine starts and gradually operate throttle trigger for increasing engine speed to operate speed.

Warm engine

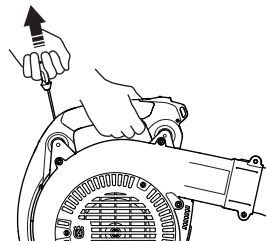
Use the same starting procedure as for a cold engine but without setting the choke control in the choke position. If the engine won't start after several attempts, close the choke and repeat pulling the rope.

NOTE!

Air is released as soon as the engine is started, even when idling.

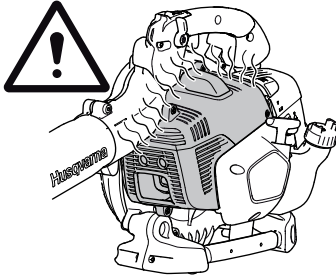
When the engine fails to start after several attempts due to overchoking, open the choke and repeat pulling the rope.

CAUTION! Do not pull the starter cord all the way out and do not let go of the starter handle when the cord is fully extended. This can damage the machine.



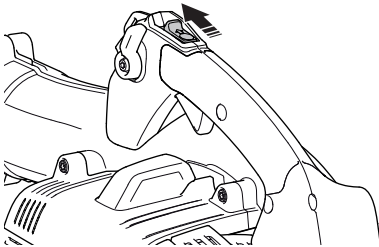
STARTING AND STOPPING

CAUTION! Do not put any part of your body in marked area. Contact can result in burns to the skin, or electrical shock if the spark plug cap has been damaged. Always use gloves. Do not use a machine with damaged spark plug cap.



Stopping

Move the throttle trigger to the idling position and press the stop switch until the engine comes to a complete stop.



CAUTION! The stop switch automatically returns to the start position. In order to prevent unintentional starting, the spark plug cap must be removed from the spark plug when assembling, checking and/or performing maintenance.

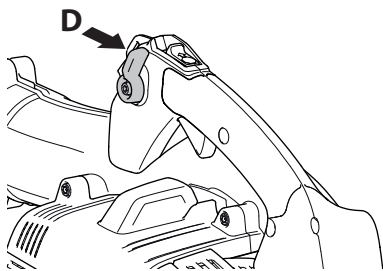
WORKING TECHNIQUES

General working instructions

IMPORTANT! This section considers basic safety rules when working with blowers. If you encounter a situation where you are uncertain how to proceed you should ask an expert. Contact your dealer or your service workshop. Avoid all usage which you consider to be beyond your capability.

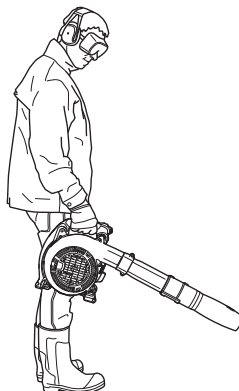
Show consideration to persons in your surroundings by avoiding using the machine at unsuitable times, such as late in the evening or early in the morning. To reduce sound levels, limit the number of pieces of equipment used at any one time. Read through and follow the simple directions so that you disturb your surroundings as little as possible.

- This blower is a hand held type. The blower is held using the handle by hand. It is operated and controlled by the handle while operating. The speed of the air jet is controlled with the throttle. Select the speed that best suits the application. To avoid holding your finger on the throttle all the time when using the blower, the required throttle can be set with the throttle adjuster (D). Full throttle is obtained when the throttle adjuster is pushed in fully.



- Use the blower with the lowest possible throttle. It is seldom necessary to use full throttle, and many work procedures can be done at half throttle. A lower throttle means less noise and less dust, and it is also easier to keep control over the rubbish collected together/moved.
- Use a rake or a brush to release rubbish stuck to the ground.

- Hold the opening of the blower as close to the ground as possible. Utilise the entire length of the blow pipe to keep the air current close to the ground.



- Clean up afterwards. Make sure that you have not blown rubbish into someone's garden.
- Operate power equipment only at reasonable hours, not early in the morning or late at night when people might be disturbed. Comply with times listed in local ordinances.



WARNING! Be aware of your surroundings. If anyone approaches your work area, set the throttle control to the lowest throttle until the person is at a safe distance. Direct the blower away from people, animals, play areas, open windows and cars etc.

Basic safety rules



- No unauthorised persons or animals may be present in the working area, which is 15 metres.
- Allow the engine to cool before refueling.
- Keep all parts of your body away from hot surfaces.
- Never touch the spark plug or ignition cable while the engine is running. Touching the spark plug or plug may result in being subjected to an electrical shock.
- The powerful currents of air can move objects at such a speed that they can bounce back and cause serious eye injuries.
- Do not direct the air jet towards people or animals.
- Stop the engine before assembling or dismantling accessories or other parts.
- Do not use the machine in bad weather, such as dense fog, heavy rain, strong wind, intense cold, etc. Working in bad weather is tiring and can lead to dangerous conditions, e.g. slippery surfaces.

WORKING TECHNIQUES

- Minimise the blowing time by lightly wetting dusty areas or using spray equipment.
- Conserve water by using power blowers instead of hoses for many lawn and garden applications, including areas such as gutters, screens, patios, grills, porches and gardens.
- Make sure you can move and stand safely. Check the area around you for possible obstacles (roots, rocks, branches, ditches, etc.) in case you have to move suddenly. Take great care when working on sloping ground.
- Never put the machine down with the engine running unless you have it in clear sight.
- Engine exhaust fumes contain carbon monoxide, which can cause carbon monoxide poisoning. For this reason you should not start or run the machine indoors, or anywhere that is poorly ventilated.
- The blower must not be used while on a ladder or scaffolding.
- CAUTION! Do not use the machine unless you are able to call for help in the event of an accident.
- Never point a blower tube toward an open flame to avoid the possibility of igniting the unit, causing injury to yourself or damage to surroundings.
- Using the blower to move large piles is time consuming and creates unnecessary noise.
- Keep a good balance and a firm foothold.
- When work is finished the machine should be stored vertically.

Basic working techniques



WARNING! Watch out for thrown objects. Always wear eye protection. Stones, rubbish, etc. can be thrown up into the eyes causing blindness or serious injury. Keep unauthorised persons at a distance. Children, animals, onlookers and helpers should be kept outside the safety zone of 15 m. Stop the machine immediately if anyone approaches.



WARNING! Always stop the engine before cleaning.

The speed of the air jet is regulated by means of the throttle. Select the speed best suited for respective tasks.

You can set the throttle position using the throttle position settings and by doing so not need to hold your finger on the throttle all the time you are using the blower. Full throttle is obtained when the control is held back fully.

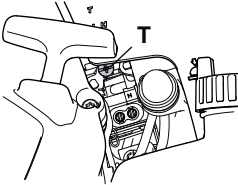
- Check that the air intake is not blocked, for example, by leaves or rubbish. A clogged air intake reduces the machine's blowing capacity and increases the engine's working temperature, which can result in engine failure. Stop the engine and remove the object.
- Be aware of the wind direction. Work with the wind to make your work easier.
- Use the full blower nozzle extension so the air stream can work close to the ground.
- Always check to be sure that no debris has been blown onto someone else's property.

MAINTENANCE

Carburetor

Adjustment of the idle speed

Before any adjustments are made, make sure that the air filter is clean and the air filter cover is fitted. Adjust the idle speed using the idle adjustment screw T, if it is necessary to readjust.



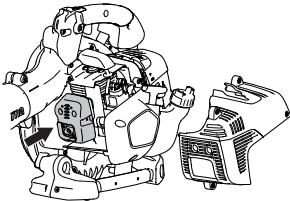
Recommended idle speed: See the Technical data section.

Muffler



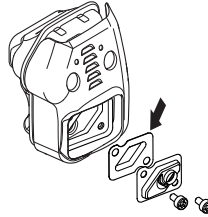
CAUTION! Some mufflers are fitted with a catalytic converter. See chapter on Technical data to see whether your machine is fitted with a catalytic converter.

The muffler is designed to reduce the noise level and to direct the exhaust gases away from the operator. The exhaust gases are hot and can contain sparks, which may cause fire if directed against dry and combustible material.



Some mufflers are equipped with a special spark arrester screen. If your machine has this type of muffler, you should clean the screen at least once a week. This is best done with a wire brush. On mufflers without a catalytic converter the screen should be cleaned weekly, or replaced if necessary. On mufflers fitted with a catalytic converter the screen should be checked, and if necessary cleaned, monthly. **If the screen is damaged it should be replaced.** If the screen is frequently blocked, this can be a sign that the performance of the catalytic converter is impaired. Contact your dealer to inspect the muffler. A

blocked screen will cause the machine to overheat and result in damage to the cylinder and piston.

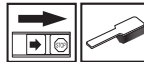


CAUTION! Never use a machine with a defective muffler.

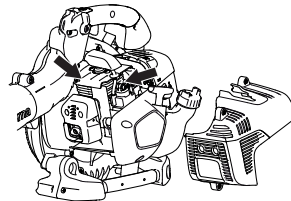


WARNING! Mufflers fitted with catalytic converters get very hot during use and remain so for some time after stopping. This also applies at idle speed. Contact can result in burns to the skin. Remember the risk of fire!

Cooling system



To keep the working temperature as low as possible the machine is equipped with a cooling system.



Clean the cooling system with a brush once a week, more often in demanding conditions. A dirty or blocked cooling system results in the machine overheating which causes damage to the piston and cylinder.

Spark plug



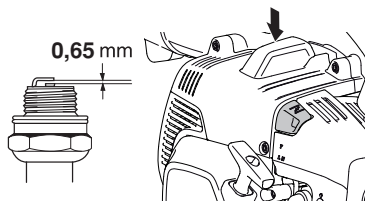
The spark plug condition is influenced by:

- Incorrect carburetor adjustment.
- An incorrect fuel mixture (too much or incorrect type of oil).
- A dirty air filter.

These factors cause deposits on the spark plug electrodes, which may result in operating problems and starting difficulties.

MAINTENANCE

If the machine is low on power, difficult to start or runs poorly at idle speed: always check the spark plug first before taking any further action. If the spark plug is dirty, clean it and check that the electrode gap is 0,026 inch (0,65 mm). The spark plug should be replaced after about a month in operation or earlier if necessary.



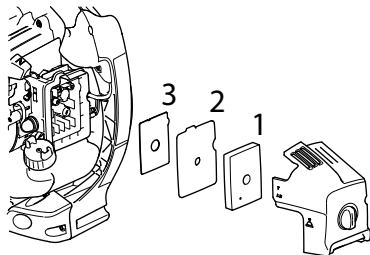
CAUTION! Always use the recommended spark plug type! Use of the wrong spark plug can damage the piston/cylinder. Check that the spark plug is fitted with a suppressor.

Air filter



The air filter must be regularly cleaned to remove dust and dirt in order to avoid:

- Carburettor malfunctions.
- Starting problems.
- Loss of engine power.
- Unnecessary wear to engine parts
- Excessive fuel consumption.

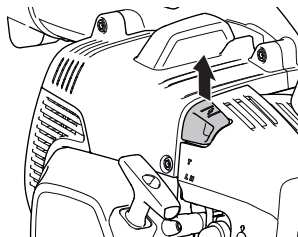


- 1 Foam plastic filter (urethan filter)
- 2 Felt filter
- 3 Screen

Clean the filter every 25 hours, or more regularly if conditions are exceptionally dusty.

Cleaning the air filter

Close the choke control by setting the choke into a choke position.

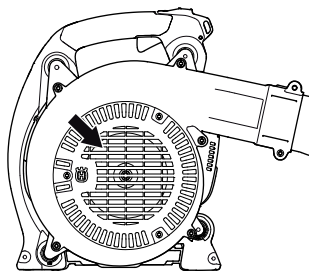


- Remove the air filter cover and take out the filter. Wash it clean in warm, soapy water. Clean also the inside of the filter cover by using air or a brush. Ensure that the filter is dry before refitting it.
- Remove the Felt filter from the filter holder and gently brush debris from the filter.
- Install screen and Felt filter to the air filter holder.
- Install the foam filter in the air filter cover.
- Install the air filter cover.

An air filter that has been in use for a long time cannot be cleaned completely. The filter must therefore be replaced with a new one at regular intervals. **A damaged air filter must always be replaced.** Damaged, very dirty, or fuel-soaked air filter must always be replaced.

Air intake screen

Check that the air intake is not blocked, for example, by leaves or rubbish. A clogged air intake reduces the machine's blowing capacity and increases the engine's working temperature, which can result in engine failure. Stop the engine and remove the object.



WARNING! Never use the blower if the screen is not in place. Before use, check that the screen is in place and undamaged.

Fuel filter

Check the fuel filter for contamination and the fuel hose for cracks or other defects. Replace if necessary.

MAINTENANCE

Maintenance schedule

The following is a list of the maintenance that must be performed on the machine. Most of the items are described in the Maintenance section.

Maintenance	Daily maintenance	Weekly maintenance	Monthly maintenance
Clean the outside of the machine.	X		
Make sure the throttle trigger lock and the throttle function correctly from a safety point of view.	X		
Check that the stop switch works correctly.	X		
Clean the air filter. Replace if necessary.	X		
Check that nuts and screws are tight.	X		
Check that there are no fuel leaks from the engine, tank or fuel lines.	X		
Check the fuel filter for contamination and the fuel hose for cracks or other defects. Replace if necessary.	X		
Check that all sides of the air intake screen are not blocked.	X		
Check the starter and starter cord.		X	
Check that the vibration damping elements are not damaged.		X	
Clean the outside of the spark plug. Remove it and check the electrode gap. Adjust the gap to 0.65 mm (.026"), or replace the spark plug. Check that the spark plug is fitted with a suppressor.		X	
Clean the machine's cooling system.		X	
Clean or replace the spark arrestor screen on the muffler (only applies to mufflers without a catalytic converter).		X	
Clean the outside of the carburettor and the space around it.		X	
Check the fuel filter for contamination and the fuel hose for cracks or other defects. Replace if necessary.			X
Check all cables and connections.			X
Replace the spark plug. Check that the spark plug is fitted with a suppressor.			X
Check and clean the spark arrestor screen on the muffler (only applies to mufflers fitted with a catalytic converter).			X

TECHNICAL DATA

Technical data

Technical data	525BX
Engine	
Cylinder displacement, cu.in/cm ³	1,55/25,4
Idle speed, rpm	3000
Catalytic converter muffler	Yes
Speed-regulated ignition system	Yes
Ignition system	
Spark plug	NGK BPMR8Y
Electrode gap, inch/mm	0,024-0,028/0,6-0,7
Fuel and lubrication system	
Fuel tank capacity, US pint/litre	0,95/0,45
Weight	
Weight without fuel, Lbs/kg	9,5/4,3
Sound levels	
(see note 1)	
Equivalent sound pressure level at the operator's ear, measured according to EN15503 dB(A)	
Round nozzle	91
Flat nozzle	92
Bystanders sound pressure level measured at 50 ft (15m), ANSI B175.2, dB(A):	71
Vibration levels	
(see note 2)	
Equivalent vibration levels ($a_{hv,eq}$) at handles, measured according to EN15503, m/s ²	
Round nozzle	1,2
Flat nozzle	2,0
Fan performance	
Max. air velocity with round nozzle, mph / m/s:	157/70
Max air velocity with flat nozzle, mph / m/s:	192/86
Air flow with round nozzle, cfm / m ³ /min	459/13

NOTE! This spark ignition system complies with the Canadian ICES-002 standard.

Note 1: The equivalent sound pressure level value is calculated with a work cycle of a duration of 1/7 for idling and 6/7 for racing. Reported data for equivalent sound pressure level for the machine has a typical statistical dispersion (standard deviation) of 1 dB(A).

Note 2: The equivalent vibration level value is calculated with a work cycle of a duration of 1/7 for idling and 6/7 for racing. Reported data for equivalent vibration level has a typical statistical dispersion (standard deviation) of 1 m/s².

FEDERAL AND CALIFORNIA EMISSIONS CONTROL WARRANTY STATEMENT

IMPORTANT: This product is compliant with U.S. EPA Phase 3 regulations for exhaust and evaporative emissions. To ensure EPA Phase 3 compliance, we recommend using only genuine Husqvarna brand replacement parts. Use of non-compliant replacement parts is a violation of federal law.

YOUR WARRANTY RIGHTS AND OBLIGATIONS

The EPA (U.S. Environmental Protection Agency), CARB (California Air Resources Board), Environment Canada and Husqvarna Forest & Garden are pleased to explain the emissions control system's warranty on your 2015-2016* small off-road engine. In U.S. and Canada, small off-road engines must be designed, built, and equipped to meet the applicable Federal or California stringent anti-smog standards. Husqvarna Forest & Garden must warrant the emissions control system on your small off-road engine for the period of time listed below provided there has been no abuse, neglect or improper maintenance of your small off-road engine. Your emission control system may include parts such as the carburetor, fuel-injection system, the ignition system, catalytic converter, fuel tanks, fuel lines, fuel caps, valves, canisters, filters, vapor hoses, clamps, connectors, and other associated emission-related components. For engines less than or equal to 80 cc, only the fuel tank is subject to the evaporative emission control warranty requirements of this section (California only). Where a warrantable condition exists, Husqvarna Forest & Garden will repair your small off-road engine at no cost to you including diagnosis, parts and labor.

MANUFACTURER'S WARRANTY COVERAGE

The emissions control system is warranted for two years. If any emissions-related part on your small off-road engine is defective, the part will be repaired or replaced by Husqvarna Forest & Garden.

OWNER'S WARRANTY RESPONSIBILITIES

- As the small off-road engine owner, you are responsible for performance of the required maintenance listed in your operator's manual. Husqvarna Forest & Garden recommends that you retain all receipts covering maintenance on your small off-road engine, but Husqvarna Forest & Garden cannot deny warranty solely for the lack of receipts or your failure to ensure the performance of all scheduled maintenance.
- As the small off-road engine owner, you should however be aware that Husqvarna Forest & Garden may deny you warranty coverage if your small off-road engine or a part has failed due to abuse, neglect, or improper maintenance or unapproved modifications.
- You are responsible for presenting your small off-road engine to a Husqvarna Forest & Garden distribution

center or service center as soon as the problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days. If you have any questions regarding your warranty coverage, you should contact Husqvarna Forest & Garden in USA at 1-800-487-5951, in CANADA at 1-800-805-5523 or send e-mail correspondence to emissions@husqvarnagroup.com.

WARRANTY COMMENCEMENT DATE

The warranty period begins on the date the engine or equipment is delivered to an ultimate purchaser.

LENGTH OF COVERAGE

Husqvarna Forest & Garden warrants to the ultimate purchaser and each subsequent owner that the engine or equipment is designed, built, and equipped so as to conform with all applicable regulations adopted by EPA and CARB, and is free from defects in materials and workmanship that causes the failure of a warranted part for a period of two years.

WHAT IS COVERED

REPAIR OR REPLACEMENT OF PARTS Repair or replacement of any warranted part under the warranty must be performed at no charge to the owner at a warranty station. Warranty services or repairs will be provided at all Husqvarna Forest & Garden distribution centers that are franchised to service the subject engines. Throughout the emissions warranty period of two years, Husqvarna Forest & Garden must maintain a supply of warranted parts sufficient to meet the expected demand for such parts.

WARRANTY PERIOD Any warranted part that is scheduled for replacement as required in the maintenance schedule, is warranted for the period of time prior to the first scheduled replacement point for that part. If the part fails prior to the first scheduled replacement, the part will be repaired or replaced by Husqvarna Forest & Garden at no cost. Any such part repaired or replaced under warranty is warranted for the remainder of the period prior to the first scheduled replacement point for the part. Any warranted part that is not scheduled for replacement as required in the maintenance schedule, is warranted for two years. If any such part fails during the period of warranty coverage, it will be repaired and replaced by Husqvarna Forest & Garden at no cost. Any such part repaired or replaced under the warranty is warranted for the remaining warranty period. Any warranted part that is scheduled only for regular inspection in the maintenance schedule will be warranted for a period of two years. A statement in such written instructions to the effect of "repair or replace as necessary" will not reduce the period of warranty coverage. Any such part repaired or replaced under warranty will be warranted for the remaining warranty period.

FEDERAL AND CALIFORNIA EMISSIONS CONTROL WARRANTY STATEMENT

DIAGNOSIS The owner must not be charged for diagnostic labor that leads to the determination that a warranted part is in fact defective, provided that such diagnostic work is performed at a warranty station.

CONSEQUENTIAL DAMAGES Husqvarna Forest & Garden is liable for damages to other engine components proximately caused by a failure under warranty of any warranted part.

EMISSION WARRANTY PARTS LIST

- 1 Carburetor and internal parts
- 2 Intake pipe, airfilter holder and carburetor bolts.
- 3 Airfilter and fuelfilter covered up to maintenance schedule.
- 4 Spark Plug, covered up to maintenance schedule
- 5 Ignition Module
- 6 Fuel tank, line and cap

WHAT IS NOT COVERED

All failures caused by abuse, neglect or improper maintenance are not covered.

ADD -ON OR MODIFIED PARTS

Add-on or modified parts that are not exempted by CARB or EPA may not be used. The use of any non-exempted add-on or modified parts will be grounds for disallowing a warranty claim. Husqvarna Forest & Garden will not be liable to warrant failures of warranted parts caused by the use of a non-exempted add-on or modified part.

HOW TO FILE A CLAIM

If you have any questions regarding your warranty rights and responsibilities, you should contact your nearest authorized servicing dealer or call Husqvarna Forest & Garden in USA at 1-800-487-5951, in CANADA at 1-800-805-5523 or send e-mail correspondence to emissions@husqvarnagroup.com.

WHERE TO GET WARRANTY SERVICE

Warranty services or repairs are provided through all Husqvarna Forest & Garden authorized servicing dealers.

MAINTENANCE, REPLACEMENT AND REPAIR OF EMISSION-RELATED PARTS

Any replacement part may be used in the performance of any warranty maintenance or repairs and must be provided without charge to the owner. Such use will not reduce the warranty obligations of the manufacturer.

MAINTENANCE STATEMENT

The owner is responsible for the performance of all required maintenance, as defined in the operator's manual.

*Current and following model year will be updated annually in the warranty statement provided to the consumer. For example, in 2012 model year, 2012-2013 will be specified.