



Operator's manual Manuel d'utilisation
Manual de instrucciones

560BTS 570BTS 580BTS
560BFS 570BFS 580BFS

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.



US (2-27)

CA (28-53)

UE (54- 79)

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

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.

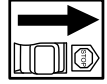
A breathing mask should be used when there is a risk of dust.

Keep all parts of your body away from hot surfaces.

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



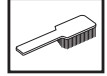
Switch off the engine by moving the stop switch to the STOP position before carrying out any checks or maintenance.



Always wear protective gloves.



Regular cleaning is required.



Visual check.



Protective goggles or a visor must be worn.



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.

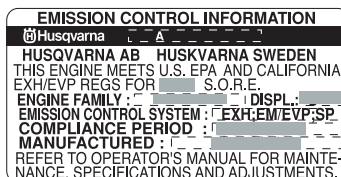


WARNING! Under no circumstances may the design of the machine be modified without the permission of the manufacturer. Always use genuine accessories. Non-authorized modifications and/or accessories can result in serious personal injury or the death of the operator or others.

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

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

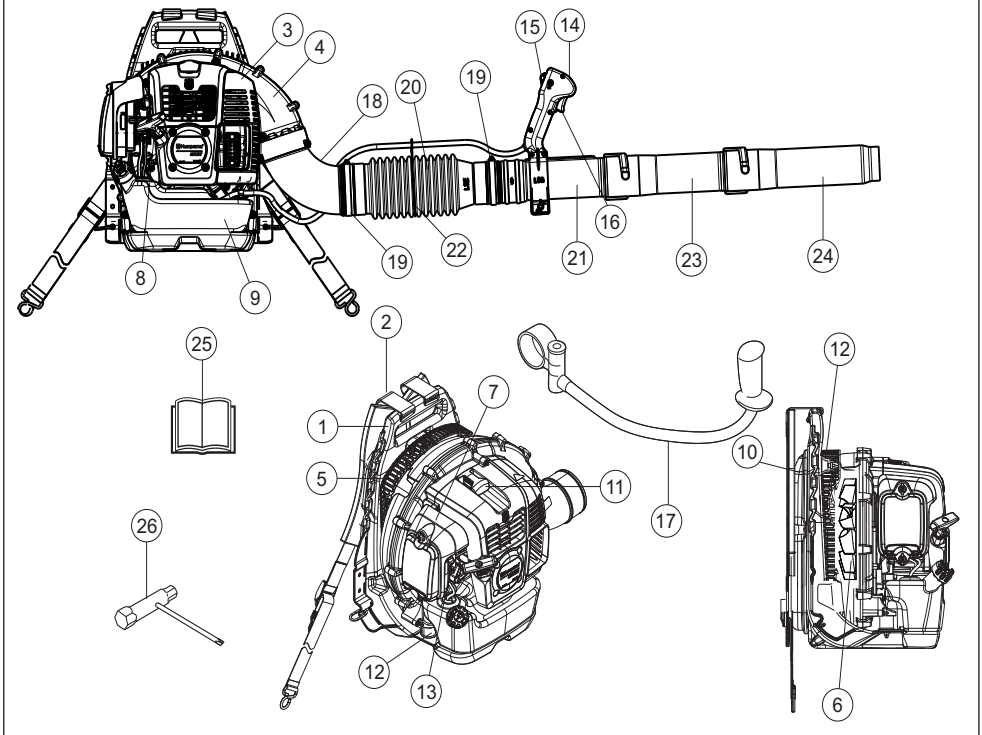
It is our wish that you will be satisfied with your product and that it will be your companion for a long time. Think of this operator's manual as a valuable document. By following its' content (using, service, maintenance etc) the life span and the second-hand value of the machine can be extended. If 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.

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

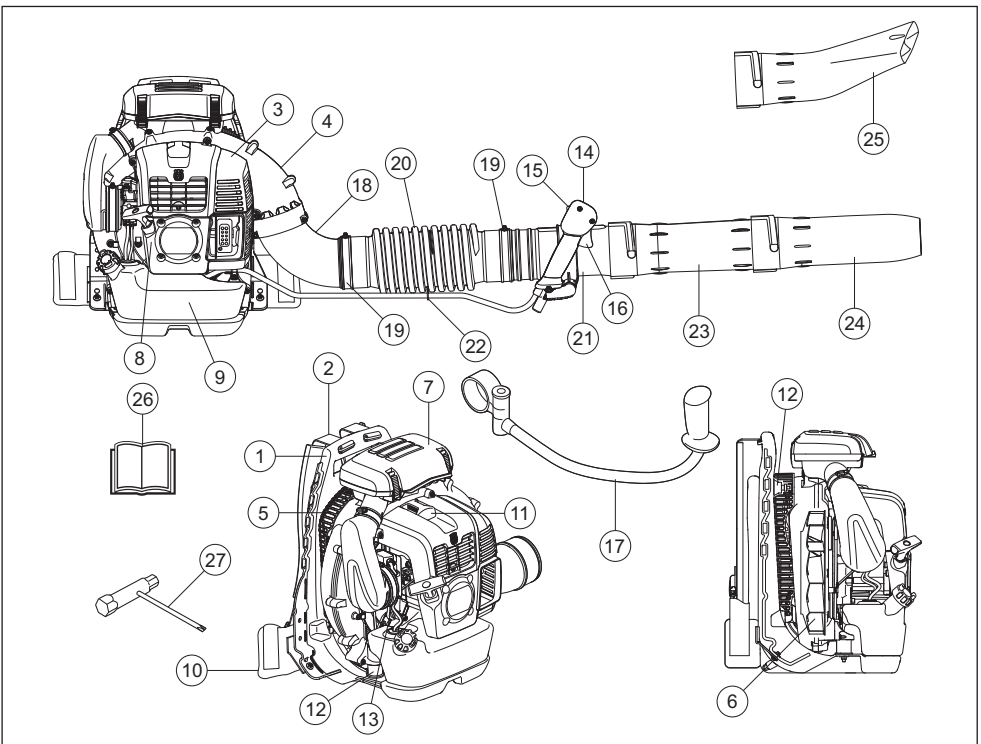
WHAT IS WHAT?



What is what on the blower? 560BTS, 560BFS

- | | |
|------------------------------------|---|
| 1 Frame | 15 Throttle setting lever. Stop switch positioned behind lever. (BFS) |
| 2 Harness | 16 Stop switch with throttle position setting (BTS), |
| 3 Engine cover | 17 Throttle trigger (BTS) |
| 4 Fan shell | 18 Handlebar (Accessory) |
| 5 Air intake screen | 19 Elbow |
| 6 Fan | 20 Clamp |
| 7 Air filter | 21 Flexible hose |
| 8 Starter handle | 22 Control pipe |
| 9 Fuel tank | 23 Clamp |
| 10 Pad | 24 Intermediate pipe |
| 11 Spark plug | 25 Blow pipe |
| 12 Vibration damping system | 26 Operator's manual |
| 13 Choke control | 27 Combination spanner |
| 14 Control handle/Operating handle | 28 Control handle/operating handle (BFS) |

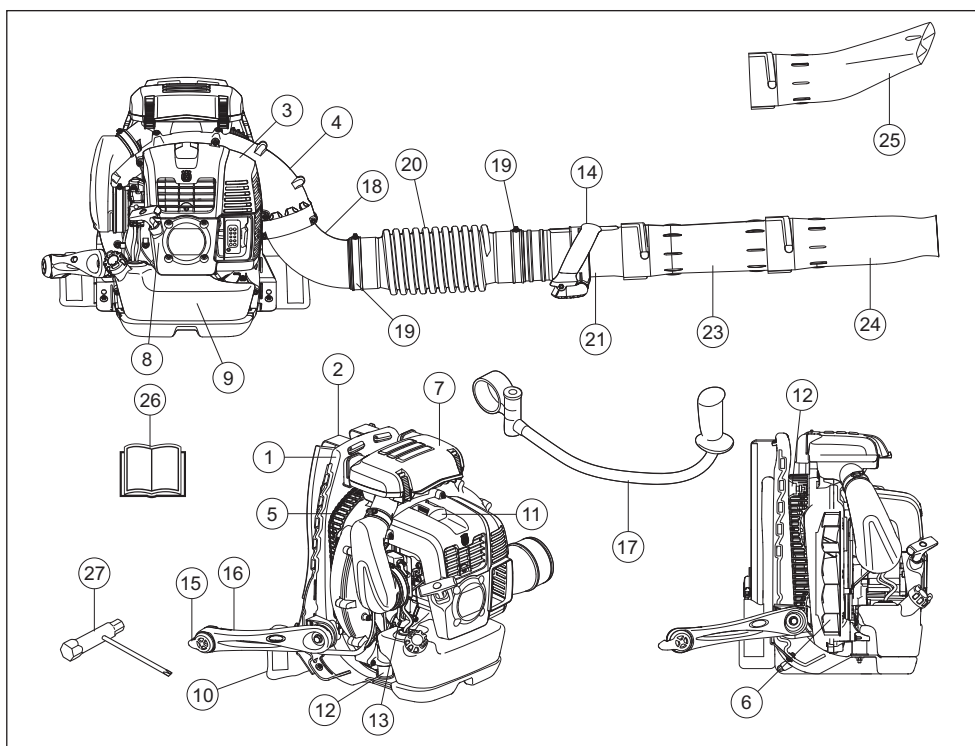
WHAT IS WHAT?



What is what on the blower? 570BTS, 580BTS

- | | |
|------------------------------------|---|
| 1 Frame | 15 Stop switch with throttle position setting |
| 2 Harness | 16 Throttle trigger |
| 3 Engine cover | 17 Handlebar (Accessory) |
| 4 Fan shell | 18 Elbow |
| 5 Air intake screen | 19 Clamp |
| 6 Fan | 20 Flexible hose |
| 7 Air filter | 21 Control pipe |
| 8 Starter handle | 22 Clamp |
| 9 Fuel tank | 23 Intermediate pipe |
| 10 Pad | 24 Blow pipe |
| 11 Spark plug | 25 Flat nozzle (Accessory) |
| 12 Vibration damping system | 26 Operator's manual |
| 13 Choke control | 27 Combination spanner |
| 14 Control handle/Operating handle | |

WHAT IS WHAT?



What is what on the blower? 570BFS, 580BFS

- | | |
|------------------------------------|---|
| 1 Frame | 15 Stop switch with throttle position setting |
| 2 Harness | 16 Throttle trigger |
| 3 Engine cover | 17 Handlebar (Accessory) |
| 4 Fan shell | 18 Elbow |
| 5 Air intake screen | 19 Clamp |
| 6 Fan | 20 Flexible hose |
| 7 Air filter | 21 Control pipe |
| 8 Starter handle | 22 Clamp |
| 9 Fuel tank | 23 Intermediate pipe |
| 10 Pad | 24 Blow pipe |
| 11 Spark plug | 25 Flat nozzle (Accessory) |
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| 14 Control handle/Operating handle | |

GENERAL SAFETY PRECAUTIONS

General

IMPORTANT!

The machine 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".

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 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 understood the contents of the operator's manual.

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

Never remove the air intake screen.

In case of emergency, release yourself from the machine by opening the waist and chest belt and let the machine fall backwards.

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

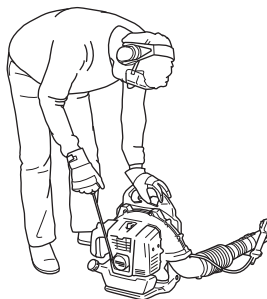
Keep all parts of your body away from hot surfaces.



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 to consult their physician and the medical implant manufacturer before operating this machine.

Starting

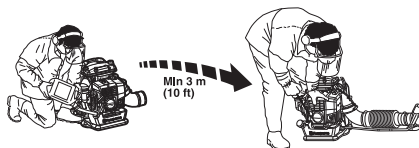
- Never start the machine indoors. Exhaust fumes can be dangerous if inhaled.
- Observe the surroundings and ensure that no people or animals can come into contact with the blower.
- Place the machine on the ground, press the machine body against the ground with your left hand (NOTE! Not your foot). Now grasp the starter handle with your right 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 refuelling.
- 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.

GENERAL SAFETY PRECAUTIONS

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 naked 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.

Adjusting the harness



WARNING! The harness must always be worn when working with the machine.
Failure to do so means you will be unable to manoeuvre safely and this can result in injury to yourself or others.

Make sure that the waist belt is closed and correctly adjusted.

If you not using a waist belt, be sure to remove it from the unit and store it. There is a risk that the belt will be caught, toppling the unit.

There is a risk that an unclosed belt can get stuck or sucked into the fan of the machine.



A correctly adjusted harness and machine significantly facilitates the work. Adjust the harness to give the best working position.



Tighten the side straps so that the pressure is evenly distributed across the shoulders.



Tighten and adjust the breast belt for the best working position.

NOTE!

560BTS, BFS has no chest belt or waist belt.

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.

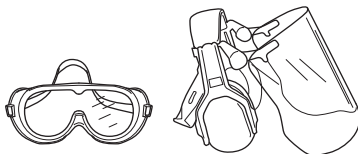
- Gloves should be worn when necessary.



- Wear hearing protection that provides adequate noise reduction.



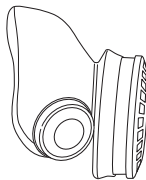
- Always wear approved eye protection. If you use a visor then you must also wear approved protective goggles. Approved protective goggles must comply with standard ANSI Z87.1 in the USA or EN 166 in EU countries. Blows from branches or objects that are thrown can damage the eyes.



- Wear sturdy, non-slip boots.



- Wear clothes made of a strong fabric and avoid loose clothing that can catch on twigs and branches. Always wear heavy, long pants. Do not wear jewellery, shorts sandals or go barefoot. 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

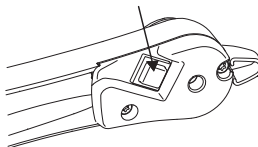
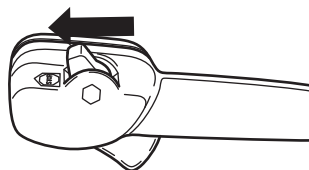
This section describes the machine's safety equipment, its purpose, and how checks and maintenance should be carried out to ensure that it operates correctly. See the "What is what?" section to locate where this equipment is positioned on your machine.



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.

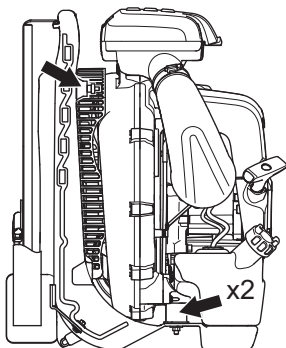


Remove the ignition cable and the spark plug to carry out inspection and maintenance.

SAFETY INSTRUCTIONS

Vibration damping system

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

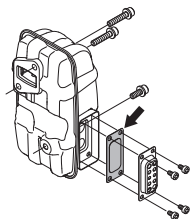


WARNING! Overexposure to vibration can lead to circulatory damage or nerve damage in people who have impaired circulation. Contact your doctor if you experience symptoms of overexposure to vibration. Such symptoms include numbness, loss of feeling, tingling, pricking, pain, loss of strength, changes 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.

In countries that have a warm and dry climate there is a significant risk of fire. Consequently, we have equipped the muffler with a spark arrestor screen mounted inside the muffler.



For mufflers it is very important that you follow the instructions on checking, maintaining and servicing your machine. See instructions under the heading Checking, maintaining and servicing the machine's safety equipment.



WARNING!

Bear in mind that: 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 exhaust fumes from the engine are hot and may contain sparks which can start a fire. Never start the machine indoors or near combustible material!



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

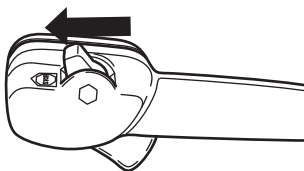
Checking, maintaining and servicing the machine's safety equipment



WARNING! All servicing and repair work on the machine requires special training. This is especially true of the machine's safety equipment. If your machine fails any of the checks described below you must contact your service agent. When you buy any of our products we guarantee the availability of professional repairs and service. If the retailer who sells your machine is not a servicing dealer, ask him for the address of your nearest service agent.

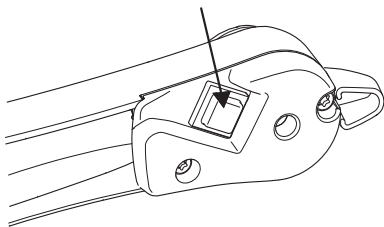
Stop switch

- Start the engine and make sure the engine stops when you move the stop switch to the stop setting.



SAFETY INSTRUCTIONS

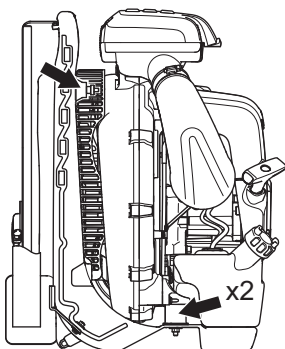
The engine is stopped by switching the ignition off using the stop switch.



Vibration damping system



- Check the vibration damping units regularly for cracks or deformation. Replace them if damaged.



- Check that the vibration damping element is undamaged and securely attached.

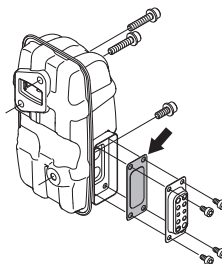
Muffler



- Never use a machine that has a faulty muffler.



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



- The muffler on your machine is equipped with a spark arrestor screen; this must be cleaned regularly. See the heading Muffler in the Maintenance chapter. A blocked screen will cause the engine to overheat and may lead to serious damage. Never use a muffler with a defective spark arrestor screen.



WARNING! Never use a machine with faulty safety equipment. The machine's safety equipment must be checked and maintained as described in this section. If your machine fails any of these checks contact your service agent to get it repaired.

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.

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.

- 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.

SAFETY INSTRUCTIONS

- 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.

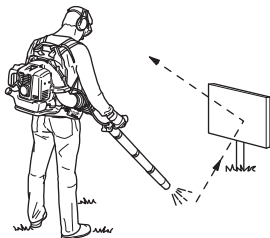


WARNING! Be aware of your surroundings. If anyone approaches your work area, set the throttle control to the lowest throttle until the person is at a safe distance. Direct the blower away from people, animals, play areas, open windows and cars etc.

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 refuelling.
- Keep all parts of your body away from hot surfaces.
- If the machine catches fire or other emergency occurs which forces you to release yourself from the machine, open the harness straps and let the machine fall backwards.
- 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.
- 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.

SAFETY INSTRUCTIONS

Basic working techniques



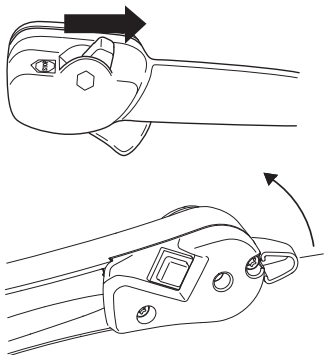
WARNING! Watch out for thrown objects. Always wear eye protection. Stones, rubbish, etc. can be thrown up into the eyes causing blindness or serious injury. Keep unauthorised persons at a distance. Children, animals, onlookers and helpers should be kept outside the safety zone of 15 m. Stop the machine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



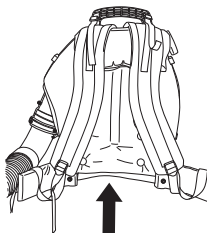
WARNING! Always stop the engine before cleaning.

- This blower is a backpack type, and is carried using a shoulder harness while operating. It is operated and controlled with the handle on the tube using the right hand.
- 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 "stop switch" 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.

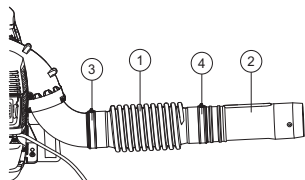


- Be aware of the wind direction. Work with the wind to make your work easier.
- Using the blower to move large piles is time consuming and creates unnecessary noise.
- Keep a good balance and a firm foothold.
- When work is finished the machine should be stored vertically.

ASSEMBLY

Assembling the blow pipe and control handle

- Connect the blower and control pipe with the flexible hose. Clamp both ends of the flexible hose in place. Use the accompanying hardware.

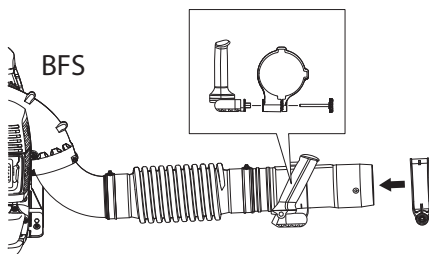
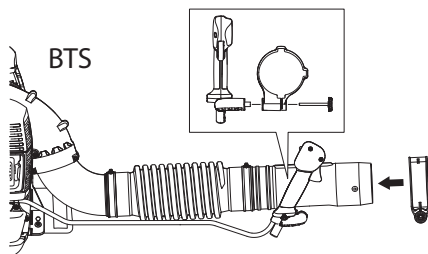


- Flexible hose
- Control pipe
- Clamp
- Clamp

NOTE!

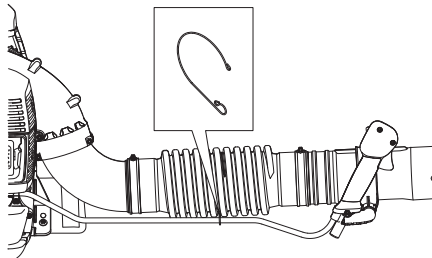
Lubricate the pipes a little to facilitate assembly.

- Fasten the handle holder to the control pipe and tighten the knob on the holder. Please make sure to align the handle holder with the convex of the control pipe.



- Adjust the position and angle to achieve a comfortable working position, and tighten.

- Use the clamp to fasten the cabling to the flexible hose. (BTS)

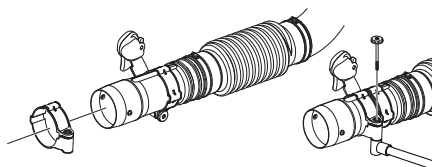


- Connect the straight pipe and pipe end. Push the pipes together and turn them so they lock.

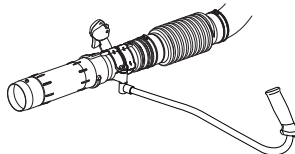
Accessories

Handlebar

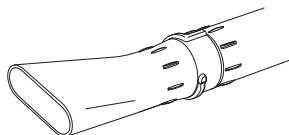
Disassemble the intermediate pipe. Disassemble the knob from the holder and push the holder on to the holder pipe. Assemble the knob and tighten.



Assemble the intermediate pipe.



- If higher air speed is required, the round blow pipe is replaced by the flat 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.

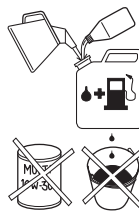
Two-stroke oil

- 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% (1:50)
5	0,10
10	0,43/0,20
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.**

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 refuelling.

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

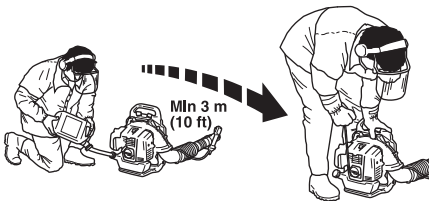
When refuelling, open the fuel cap slowly so that any excess pressure is released gently.

Tighten the fuel cap carefully after refuelling.

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

Always move the machine away from the refuelling 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.

STARTING AND STOPPING

Starting and stopping



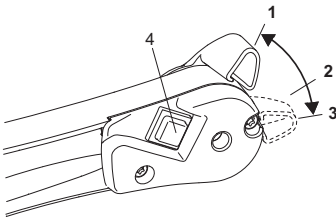
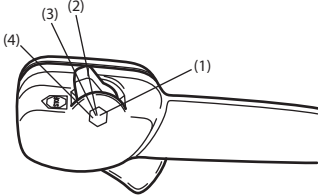
WARNING! Always move the machine away from the refuelling area and source before starting. Place the machine on a flat surface.

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

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.

Cold engine

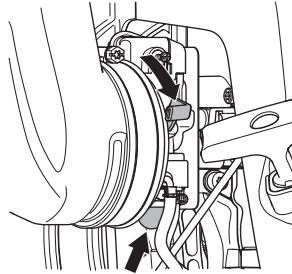
Ignition: Set the stop switch to the start position. About one third open.



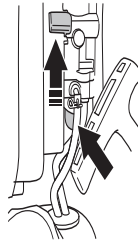
It is not allowed to set the stop switch in full throttle position.

Choke: Set the choke control in the choke position.

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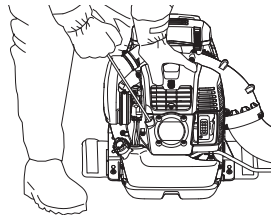
Primer bulb: Press the air purge repeatedly until fuel begins to fill the bulb. The bulb need not be completely filled.

Warm engine

Use the same starting procedure as for a cold engine but without setting the choke control in the choke position.

Starting

Hold the body of the machine on the ground using your left hand (CAUTION! Not with your foot!). Grip the starter handle, slowly pull out the cord with your right 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 the engine starts. When the engine starts, return choke control to run position.

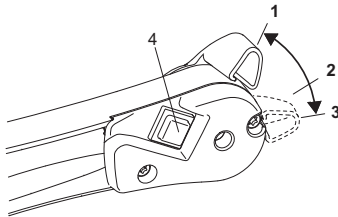
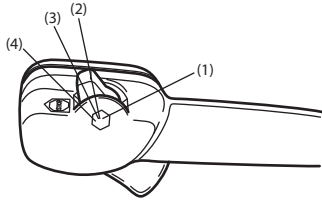
CAUTION! Do not pull the starter cord all the way out and do not let go of the starter handle when the cord is fully extended. This can damage the machine.

NOTE!

STARTING AND STOPPING

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

Set the required engine speed with the throttle control.

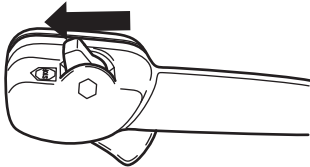


Allow the engine to warm for a few minutes.

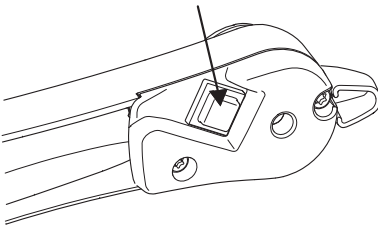
- 1 Full throttle
- 2 About one third open.
- 3 Idle speed
- 4 Stop switch

Stopping

The engine is stopped by moving the stop switch to the stop position.



The engine is stopped by switching the ignition off using the stop switch.



MAINTENANCE

General

Remove the ignition cable and the spark plug to carry out inspection and maintenance. Keep all parts of your body away from hot surfaces.

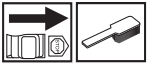
Carburetor

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.

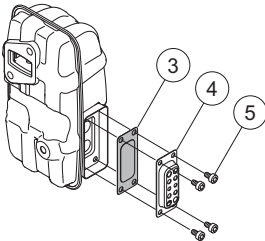
The factory idle speed setting is 2,000 rpm. Use the adjustment screw at the upper edge of the carburetor if the idle speed has to be adjusted.

Muffler



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.

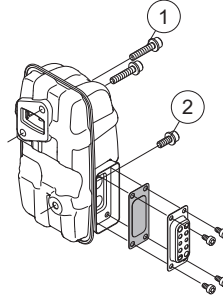
The muffler is equipped with a special spark arrestor screen. The spark arrestor screen should be cleaned once a month. This is best done with a wire brush.



To remove the spark arrestor screen proceed as follows:

- Remove the exhaust duct (4).
- Remove the spark arrestor (3).
- Pull out the spark arrestor screen and clean using a wire brush. Replace the spark arrestor screen if it is defective.

CAUTION! Never use a machine with a defective muffler. Check regularly that the muffler is complete and secured correctly. (1,2) Tighten the screws. 8-10Nm

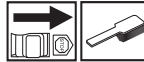


Check that the spark arrestor and the exhaust duct are screwed in place correctly (5). Tighten to 2-3 Nm.



WARNING! The muffler gets 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.

The cooling system consists of:

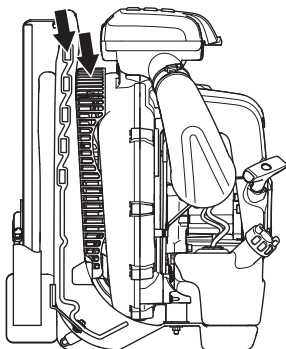
- Cooling fins on the cylinder.
- Air intake screen

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. Check that the nozzles are not blocked.

MAINTENANCE

Air intake screen

Check that the air intake is not blocked on all sides including the underside, 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.

Spark plug

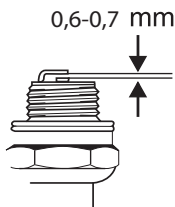


The spark plug condition is influenced by:

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

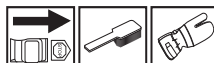
These factors cause deposits on the spark plug electrodes, which may result in operating problems and starting difficulties.

Clean the outside of the spark plug. Remove it and check the electrode gap. Adjust the gap to 0,6-0,7 mm, or replace the spark plug. Check that the spark plug is fitted with a suppressor.



CAUTION! Always use the recommended spark plug type! Use of the wrong spark plug can damage the piston/cylinder.

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.

Clean the filter every 40 hours, or more regularly if conditions are exceptionally dusty.

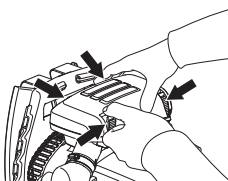
Avoid contact with hot surfaces on muffler, cylinder etc. Contact can result in burns to the skin.

Cleaning the air filter

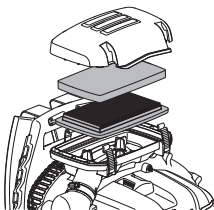


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- Loosen the four fasteners holding the air filter cover and remove the filter. Wash the prefilter in warm soapy water.



- Tap the paper filter against a hard surface to shake off the dust. If the paper filter is still dirty it should be replaced with a new one.



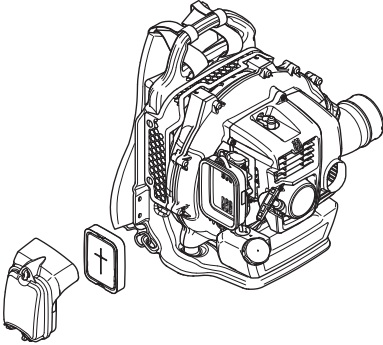
NOTE!

Do not oil the filter.

MAINTENANCE

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Remove the air filter cover and take out the filter. Wash it clean in warm, soapy water.



If the machine is used in dusty conditions the air filter should be soaked in oil. See instructions under the heading Oiling the air filter.

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.**

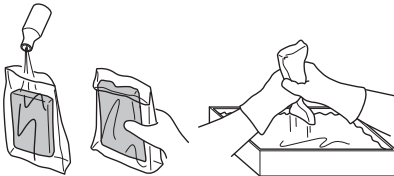
- Refit the air filter and air filter cover.

Oiling the air filter

560BTS, BFS

Always use special filter oil. Filter oil contains a solvent to make it spread evenly through the filter. You should therefore avoid skin contact.

Put the filter in a plastic bag and pour the filter oil over it. Knead the plastic bag to distribute the oil. Squeeze the excess oil out of the filter inside the plastic bag and pour off the excess before fitting the filter to the machine. Never use common engine oil. This would drain through the filter quite quickly and collect in the bottom.



Shoulder strap

If the shoulder strap is damaged, it may break while in use and the machine may fall causing personal injury. Follow the instructions below to replace the shoulder strap.

- 1 Remove the clamp from the strap.
- 2 Run the end of the strap through the hanger.
- 3 Refit the clamp to the strap.



WARNING! Check that the thick round pin in the clamp is inserted in the strap. If it is inserted incorrectly it may lead to personal injury.

MAINTENANCE

Maintenance schedule

Below you will find some general maintenance instructions. If you need further information please contact your service workshop.

Maintenance	Daily maintenance	Weekly maintenance	Monthly maintenance
Clean the outside of the machine.	X		
Check that the throttle control functions safely.	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 from contamination and the fuel hose from cracks or other defects. Replace if necessary.	X		
Clean or replace the spark arrestor screen on the muffler (only applies to mufflers without a catalytic converter).	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 0,6-0,7 mm, or replace the spark plug. Check that the spark plug is fitted with a suppressor.		X	
Clean the machine's cooling system.		X	
Clean the outside of the carburettor and the space around it.		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
Clean the fuel tank.			X

IMPORTANT!

Use only HUSQVARNA replacement parts. Use of other brands of replacement parts can cause damage to your unit or injury to the operator or others. Your warranty does not cover damage or liability caused by the use of accessories and/or attachments not specifically recommended by HUSQVARNA.

TECHNICAL DATA

Technical data

Technical data	560BTS	560BFS
Motor		
Cylinder displacement, cu.in/cm ³	4.0 / 65.6	4.0 / 65.6
Idle speed, rpm	2000	2000
Max. engine output, acc. to ISO 8893, kW/ rpm	2.84 / 8100	2.84 / 8100
Catalytic converter muffler	No	No
Speed-regulated ignition system	Yes	Yes
Emissions Durability Period according to California Air Resources Board, h.	300	300
Ignition system		
Spark plug	NGK CMR7H	NGK CMR7H
Electrode gap, inch/mm	0,024-0,028/0,6-0,7	0,024-0,028/0,6-0,7
Fuel and lubrication system		
Fuel tank capacity, US pint/litre	4.6 / 2.2	4.6 / 2.2
Weight		
Weight without fuel, Lbs/kg	23.2 / 10,5	23,4/10,6
Sound levels		
(see note 1)		
Equivalent sound pressure level at the operator's ear, measured according to EN15503 dB(A)	95	95
Vibration levels		
(see note 2)		
Equivalent vibration levels ($a_{hv,eq}$) at handles, measured according to EN15503, m/s ²	2.3	2.5
Fan performance		
Max. air velocity with standard nozzle, m/s / mph:	103.9 / 232	103.9 / 232
Air flow with standard nozzle, m ³ /min/cfm	17.9 / 632	17.9 / 632
Average air volume at the cover, m ³ /min / cfm	25.2 / 890	25.2 / 890

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.

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

TECHNICAL DATA

Technical data	570BTS	570BFS	580BTS	580BFS
Motor				
Cylinder displacement, cu.in/cm ³	65.6	65.6	75.6	75.6
Idle speed, rpm	2000	2000	2000	2000
Max. engine output, acc. to ISO 8893, kW/ rpm	2.94 / 8000	2.94 / 8000	3.13 / 7200	3.13 / 7200
Catalytic converter muffler	No	No	No	No
Speed-regulated ignition system	Yes	Yes	Yes	Yes
Emissions Durability Period according to California Air Resources Board, h.	300	300	300	300
Ignition system				
Spark plug	NGK CMR7H	NGK CMR7H	NGK CMR7H	NGK CMR7H
Electrode gap, inch/mm	0,024-0,028/ 0,6-0,7	0,024-0,028/ 0,6-0,7	0,024-0,028/ 0,6-0,7	0,024-0,028/ 0,6-0,7
Fuel and lubrication system				
Fuel tank capacity, US pint/litre	4,6/2,2	4,6/2,2	5,5/2,6	5,5/2,6
Weight				
Weight without fuel, Lbs/kg	24,5/11,1	24,9/11,3	25,8/11,7	26,0/11,8
Sound levels				
(see note 1)				
Equivalent sound pressure level at the operator's ear, measured according to EN15503 dB(A)	99	99	100	100
Vibration levels				
(see note 2)				
Equivalent vibration levels ($a_{hv,eq}$) at handles, measured according to EN15503, m/s ²	1,8	5,0	1,6	3,3
Fan performance				
Max. air velocity with standard nozzle, m/s / mph:	106/236	106/236	92/206	92/206
Air flow with standard nozzle, m ³ /min/cfm	21,8/770	21,8/770	25,7/908	25,7/908
Average air volume at the cover, m ³ /min / cfm	27,5/972	27,5/972	29/1024	29/1024

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.

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

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, new equipment that use small off-road engines must be designed, built, and equipped to meet the applicable Federal or Californian stringent anti-smog standards. Husqvarna Forest & Garden must warrant the emissions control system on your small off-road engine for the period listed below provided there has been no abuse, neglect or improper maintenance of your equipment. Your emissions control system may include parts such as the carburetor, ignition system, catalytic converter, fuel tank, filters and other associated components. Also, included may be hoses, belts, connectors, sensors, and other emission-related assemblies. 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 equipment 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 at 1-800-438-7297 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.

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 at 1-800-438-7297 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 2013 model year, 2013-2014 will be specified.

www.husqvarna.com

**Original instructions
Instructions d'origine
Instrucciones originales**

1155849-49



2015-01-13