Husqvarna

GB

Operator's manual

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

ES

Manual de instrucciones

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

DE

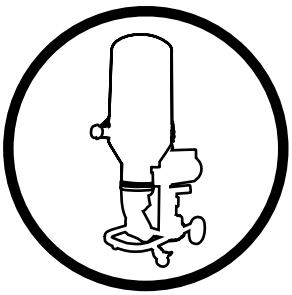
Bedienungsanweisung

Lesen Sie die Bedienungsanweisung sorgfältig durch und machen Sie sich mit dem Inhalt vertraut, bevor Sie das Gerät benutzen.

FR

Manuel d'utilisation

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



GB ES DE FR

HUSQVARNA CONSTRUCTION PRODUCTS

English

Contents

Key to symbols

The symbols below are used on the machine and in this Operator's Manual. It is important that the user understands the significance of these in order to work with the machine safely.

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

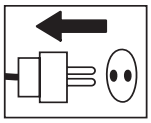
WARNING! Dust forms when grinding which can cause injuries if inhaled. Use an approved breathing mask. Always provide for good ventilation.

Always wear:

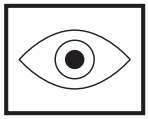
- Approved protective helmet
- Approved hearing protection
- Protective goggles or a visor.
- Dust forms when grinding, which can cause injuries if inhaled. Use dust mask.

Always wear sturdy non-slip boots with steel toe-caps.

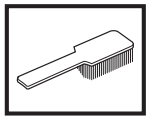
Always wear approved protective gloves.



Inspection and/or maintenance should be carried out with the motor switched off and the plug disconnected.



Visual check.



Regular cleaning is required.

This product is in accordance with applicable EC directives.

Safety Instructions

WARNING

Under no circumstances may the machine be started without observing the safety instructions. Should the user fail to comply with these, Husqvarna Construction Products Sweden AB or its representatives are free from all liability both directly and indirectly. Read through these operating instructions and make sure that you understand the contents before starting to use the machine. Should you, after reading these safety instructions, still feel uncertain about the safety risks involved you must not use the machine, please contact your dealer for more information.

- Please read the operator's manual carefully.
- Only qualified staff should be allowed to operate machinery.
- Never use a machine that is faulty. Carry out the checks, maintenance and service instructions described in this manual. All repairs not covered in this manual must be performed by a repairer nominated by either the manufacturer or distributor.
- Always wear personal safety equipment such as sturdy non-slip boots, ear protection, dust mask and approved eye protection.
- The machine should not be used in areas where potential for fire or explosions exist.
- The machine should not be started without the dust collection bag attached.
- 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.
- Never use a machine that has been modified in any way from its original specification.
- Be on your guard for electrical shocks. Avoid having body contact with lightning-conductors/metal in the ground.
- Never drag the machine by means of the cord and never pull out the plug by pulling the cord. Keep all cords and extension cords away from water, oil and sharp edges.
- Make sure the cord is not pinched in doors, fences or the like.
- Check that the cord and extension cord are intact and in good condition. Never use the machine if the cord is damaged, hand it in to an authorized service workshop for repair.
- Do not use a rolled up extension cord
- The machine should be connected to an earthed outlet socket.
- Check that the mains voltage corresponds with that stated on the rating plate on the machine.
- Ensure the cord is behind you when you start to use the machine so that the cord will not be damaged.

At no time should lifting of machinery be attempted without mechanical means such as a hoist or fork lift.

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. These 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.

Introduction

The Husqvarna DC 5500 dust extraction/vacuum unit is designed for wet or dry suction of concrete dust and liquid slurry.

This manual covers the Husqvarna DC 5500 dust collector/ vacuum unit. It is extremely important all users be familiar with the contents of this manual before commencing operation of either machine. Failure to do so may result in damage to machinery or expose operator to unnecessary dangers.

IMPORTANT!

Only staff that have received the necessary education, both practically and theoretically concerning their usage should operate the machinery.

Transportation

When in transportation, it is important to ensure the unit is properly secured at all times. Machinery should be transported under cover where possible, unexposed to natural elements – in particular rain and snow. Protect the unit from water damage.

It is recommended that machinery be transported upright where possible, especially when transported when uncovered.

It is highly recommended that a dust collection bag be fitted to the machine at all times whether in use or transportation.

Storage

The machine should always be stored in a dry and warm place when not in use to prevent internal condensation inside.

What is what

1. Small toggle latch
2. Filter link hose
3. Large toggle latch
4. Secondary filter housing
5. Control box
6. Vacuum pump
7. Rear wheel
8. Frame
9. Small toggle latch
10. Primary filter housing
11. Hose attachment fitting
12. Collection cone
13. Accessory power point
14. Castor wheel

What is what

Diagram 1

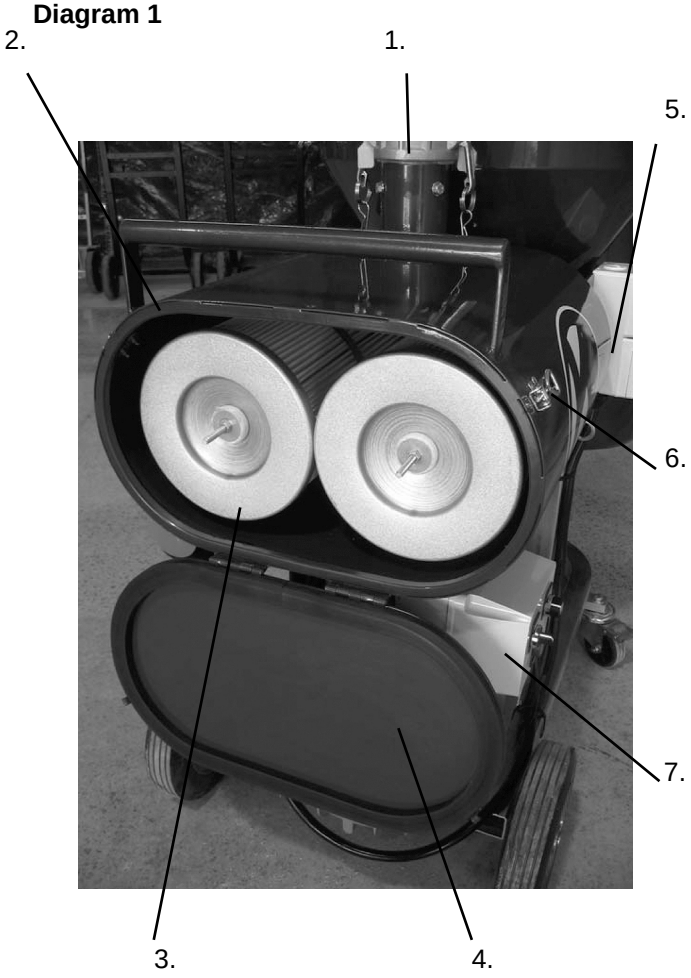


Diagram 2

Diagram 1

1. Filter link hose coupling
2. Secondary filter housing
3. Secondary filter
4. Secondary filter housing door
5. Accessory power point
6. Small toggle latch
7. Control box

Diagram 2

1. Off/On switch
2. Forward/Reverse switch

What is what

Diagram 3

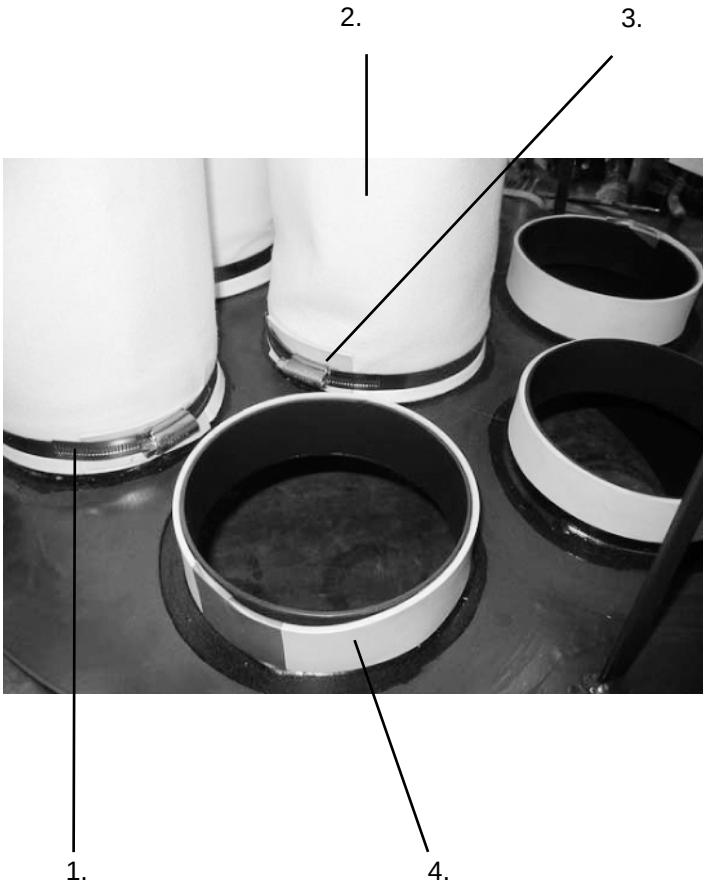


Diagram 3

1. Primary clamp part
2. Primary filter sock part
3. Primary filter seal. Outer part (kit)
4. Primary filter seal. Inner part (kit)

Diagram 4.

Control box

The control system consists of two switches:

1. On/Off swich.
Turns machine off in OFF position and on in ON position.

2. Fwd/Rev switch.
Changes direction of vacuum pump. Sometimes direction of vacuum will need to be reversed depending on phase order of power supply.

IMPORTANT!

Direction should NEVER be changed while machine is switched to ON position (this is why there is a lock on the FWD/REV switch). If direction needs to be changed, turn machine back to OFF position, wait for 1 minute, change direction and then switch back on. Once direction setting has been changed, remove key from FWD/REV switch before switching back on.

Changing of direction while machine is running will result in motor failure.

Operation (dry use)

Setting up

1. Position the vacuum in the working area.

2. Ensure dust collection bag is fitted to collection cone.

3. Plug vacuum into power supply and switch on power supply.

IMPORTANT!

Ensure vacuum is set to OFF position prior to turning on power supply.

4. Disconnect filter link hose from top of secondary filter housing.

5. Switch machine to ON position for 2 seconds and place hand over filter link hose coupling. Feel with hand whether machine is sucking or blowing.

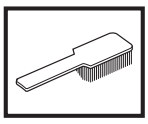
6. If machine is blowing, wait 1 minute (for motor to completely stop turning) and switch machine to other direction using FWD/REV switch.

IMPORTANT!

Always remove key from FWD/REV switch. This will lock switch and make it impossible to change direction of motor when machine is running.

7. Once machine direction is set correctly it is ready for use with grinding machine.

Cleaning the primary filters.



After every 10-20 minutes of operation, the primary filters will need cleaning as dust will buildup on the inside of the filter socks. The easiest and most effective way to clear the dust buildup on the filter sock is as follows:

1. Switch the machine to the off position.

2. Using a large rubber hammer/mallet, tap the top surface of the primary filter housing 10 times. While this is happening you will notice all the dust from inside the unit drop into the plastic bag attached to the collection cone.

Changing the dust bags.

Once the dust bag has collected around 20 kg of dust, to avoid lifting hazards caused by overfilling of dust bags, the dust bag should be changed.

1. Clear the primary filters of dust as outlined previously and agitate bag so that dust settles in the bottom of the bag.

2. Switch the machine back into ON position (you will notice the air is sucked from the plastic bag).

3. Tie bag off below the collection cone using a cable tie or other bag tie.

4. Release elastic strap and remove sealed bag.

IMPORTANT!

Use extreme caution when releasing and re-attaching elastic strap.

5. Using elastic strap, attach new empty plastic bag (you will notice the air is sucked from the plastic bag).

6. Machine is now ready to be used for duct collection again.

IMPORTANT!

It is important to keep vacuum running during the bag changing process. This will keep the valve in the collection cone closed ensuring no dust will drop out from within the collection cone when bag changing is being performed.

This method will greatly reduce operator exposure to fine dust particles when using the equipment. It is strongly advisable that all operators use a dust mask/respirator when changing dust bags or performing maintenance on the machine.

Operation (wet use)

The Husqvarna DC 5500 can also be used for collection of wet materials such as slurry formed from the wet grinding process.

In order to use the machine for wet collection, simply remove the primary filter socks from the unit.

1. Disconnect the filter link hose.

2. Release the large toggle latch.

3. Fold the primary filter housing into the forward position.

4. Release the 2 small toggle latches.

5. Lift the primary filters from within the primary filter housing.

IMPORTANT!

It is strongly advisable that all operators use a dust mask/respirator when removing primary filter socks from the machine.

Troubleshooting

Whilst every measure has been undertaken by the manufacturer to ensure smooth reliable operation of the machine, sometimes problems can arise.

The following possible problems may arise:

1. The machine will not run.
Ensure power connected to machine is on. If ma chine still will not run, remove cover from control box and test for presence of power supply at top of left side contactor. If no power at contactors, test power supply at power source. If power supply is ok at source but there is no supply at contactors in con trol box, check connections inside accessory power point. These checks should only be performed by a licensed electrician)

2. The machine makes a low humming sound when switched to ON.
This indicates there are only two-phases of power supply at the motor. Switch off machine immediately to avoid motor burn-out. Have an electrician check the machine to determine the cause of the missing phase. If all three-phases are ok at motor then there is a strong possibility the motor is faulty.

3. The machine will only run in one direction.
This indicates a problem with either the FWD/REV switch mechanism or one of the contactors. Have an electrician test the machine.

4. The machine will run but there is not power at the accessory power point.
Check connections inside accessory power point.

5. The machine does not have much suction.
(A) Inspect inside secondary filter housing and make sure secondary filters are not blocked with dust. If blocked up with dust, remove and clean filters by either tapping out or using compressed air.

IMPORTANT!

A respirator should be worn at all times when performing filter cleaning activities.

If large amounts of dust present in secondary filter housing, this indicates a problem with the primary filters. Usually this means there is a hole in one or more of the primary filters or one of the primary filters has come loose.

Check primary filters for small holes or perforations. Small holes can be repaired/patched using silicone sealant.

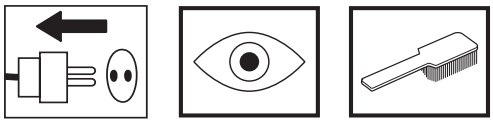
(B) Make sure flap in bottom of collection cone is closing properly and creating a seal.
If this flap is not functioning properly, machine will tend to suck up dust bag when switched on.

6. The machine is blowing dust out the exhaust.
(A) Normally this means the secondary filters are not installed properly and dust is bypassing them. Ensure the seals on the ends of the second ary filters opposite the secondary filter housing door are creating a proper seal. This can be viewed by looking down the filter link hose coupling.

(B) Secondary filters may need replacing.

Maintenance

The following maintenance steps should be followed to maximise optimal performance and reliability of the machine:



Daily Inspection of Micro Filters:

It is highly recommended that operators check dust levels inside secondary filter housing on a daily basis. This will indicate the effectiveness of the primary filters. If there is dust building up inside the secondary filter housing, it is more than likely due to one of the following reasons:

1. Small holes or perforations have developed in primary filters.

2. There is a problem with a seal in the primary filter housing assembly. If when inspected, it is found that there is dust building up inside the secondary filter housing, it is recommended to remove the primary filters and check for small holes or perforations.

   Usually, small holes will begin to develop around the stitching of the filter media. If small holes are located, clean area around hole with either compressed air or vacuum. Once area is clean, the hole can be repaired with silicone sealant. If no small holes or perforations are found, check rubber seals in the primary filter housing assembly and make sure they are all intact.

   Generally speaking, with consistent use, the primary filters should be replaced approximately every 6 months. This will maintain good suction levels and reduce incidence of holes developing in the filters.

   The secondary filter should be changed every 12 months. Made from a polyester filter media, the secondary filters can be washed out with water. Ensure they are fully dry prior to re-installation.

   On re-installation of the secondary filter, ensure the seals are firmly pressed against the wall of the secondary filter housing. This contact can be assessed by looking down through the filter link hose coupling.

EC-declaration of conformity

(Applies to Europe only)

Husqvarna Construction Products, SE-433 81 Göteborg, Sweden, tel: +46-31-949000, declares under sole responsibility that the Husqvarna DC5500 dating from 2007 serial numbers and onwards (the year is clearly stated on the rating plate, followed by the serial number), complies with the requirements of the COUNCILíS DIRECTIVE:

- of June 22, 1998 ”relating to machinery” 98/37/EC, annex IIA.

- of May 3, 1989 ”relating to electromagnetic compatibility” 89/336/EEC, and applicable supplements.

- of December 12, 2006 ”relating to electrical equipment” 2006/95/EC.

The following standards have been applied: EN 55014-1, EN55014-2, EN61000-3-2, EN61000-3-3.

The supplied machine conforms to the example that underwent EC type examination.

Göteborg 16 July 2007

Tim Van Der Veen, Development Manager

Husqvarna

www.husqvarnacp.com

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