

Kubota

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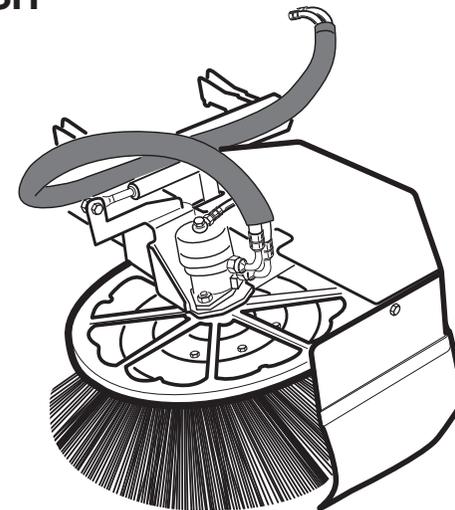
**OPERATOR'S MANUAL
WEEDING SWEEPER**

**MANUEL DE L'OPERATEUR
BALAYEUSE DESHERBEUSE**

**BEDIENUNGSANLEITUNG
UNKRAUTVERNICHTUNGS-KEHRMASCHINE**

**MANUALE DELL'OPERATORE
SPAZZOLA DISERBO**

WEED BRUSH



*READ AND SAVE THIS MANUAL
MANUEL A LIRE ET A CONSERVER
DIESE ANLEITUNG BITTE SORGFÄLTIG DURCHLESEN
UND GRIFFBEREIT AUFBEWAHREN
LEGGETE E CONSERVATE QUESTO MANUALE*

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EN	USE AND MAINTENANCE MANUAL7 Translation of the originals instructions
FR	MANUEL D'UTILISATION ET D'ENTRETIEN13 Traduction de la notice originale
DE	BETRIEBS- UND WARTUNGSANLEITUNG ...19 Übersetzung der Originalbetriebsanleitung
IT	MANUALE D'USO E MANUTENZIONE25 ISTRUZIONI ORIGINALI

ILLUSTRATIONS AND DIAGRAMS ILLUSTRATIONS ET SCHÉMAS ABBILDUNGEN UND PLÄNE ILLUSTRAZIONI E SCHEMI31



SAFETY FIRST

This symbol, the industry's "Safety Alert Symbol", is used throughout this manual and on labels on the machine itself to warn of the possibility of personal injury. Read these instructions carefully. It is essential that you read the instructions and safety regulations before you attempt to assemble or use this unit.



DANGER: Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.



WARNING: Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION: Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury.

IMPORTANT: Indicates that equipment or property damage could result if instructions are not followed.

NOTE: Gives helpful information.

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NOTES FOR PRODUCT DISPOSAL IN THE EUROPEAN COMMUNITY



If you need to dispose of the attachment, respect the regulations in force in the country of use.

Abandoning the attachment may cause serious damage to the environment.

If there are batteries inside the attachment, they must be removed before disposing of it. The batteries must be disposed of separately, in the appropriate collection points, as they contain highly toxic substances. The crossed-out bin symbol in the figure indicates that it's strictly forbidden to dispose of the attachment with normal waste.

0. EC PLATE

See figure 0.

- | | |
|---------------------------|-------------------------|
| 1) Manufacturer's address | 4) Year of construction |
| 2) Model | 5) Machine name |
| 3) Weight | 6) Noise emissions |

1. SERIAL NUMBER

See figure 1.

2. FOR OUR CUSTOMERS

- We're proud to have you as our customer.
- This manual is a fundamental part of the "Use and Maintenance of the FC2 handbook.
- Before using the attachment, the operator must study both this manual and the machine manual thoroughly in order to better understand how it works and to be familiar with the tips regarding its use and maintenance.
- The attachment is designed and built to ensure the best work results in various conditions; as always however, the quality of the work is dependent on routine maintenance.
- For more specific information and tips not contained in this handbook, contact your dealer who will be happy to answer all your questions concerning the use and maintenance of the attachment.

NOTE: before you start working, make sure there is nobody near the machine.

3. USE

The interchangeable attachment - "Weeding Sweeper - WBRH model" - is a mechanical device for removing weeds.

It's designed to be fitted on multifunction tool holders machines of the FC2 ranges.

The attachment is designed primarily for professional use.

The interchangeable attachments only work when installed on a multifunction tool holders machine of the FC2 range, or other machines explicitly approved by Kubota Gianni Ferrari.

Use only the couplings, parts and accessories supplied by our company for the specific model you have purchased.

Kubota Gianni Ferrari cannot be held liable if the attachment is fitted on other machines.

This procedure is expressly forbidden.

4. FORESEEABLE, UNPERMITTED USE

Any type of use not indicated in the "Use" section is not allowed.

- The use of the attachment in any way other than as explained in this manual is expressly forbidden.
- Any transformation or modification of the attachment not envisaged by this manual is prohibited.
- Use of the attachment is prohibited unless it is in perfect working order. Before using it, carry out the recommended checks and maintenance.
- The use of an correctly mounted attachment is expressly forbidden.
- Tampering with the safety labels is expressly forbidden.
- The attachment must only be used by responsible adults. It is forbidden for the operator to use the attachment if he is in an unsuitable physical condition.

5. OPERATOR'S RESPONSIBILITY

The operator is responsible for carefully reading this manual and understanding the correct way to use, lubricate and service the attachment, as explained in the instructions. The operator is responsible for checking the attachment and repairing or replacing those parts subject to continual wear (that could cause harm to other people). The operator is responsible for any harm caused to himself or to third parties or property as a result of the improper use of the attachment, not in keeping with the indications given in this manual. Children or teenagers must never be allowed to use it. Local regulations may indicate a minimum age for the operator.

Use only the couplings, parts and accessories supplied by our company for the specific model you have purchased. For more information, contact your dealer.

Any transformation or modification of the attachment not envisaged by this manual is therefore prohibited.

IMPORTANT: when using the machine, the operator must scrupulously observe the safety precautions laid out in this manual, along with accident prevention regulations, other general safety regulations, and the provisions laid down by the relevant authorities.

6. SAFETY STANDARDS

THE CAUTIOUS OPERATOR IS THE BEST OPERATOR

Many accidents could be avoided just by observing the precautions given in this manual.

GENERAL PART

- 1) Read every part of this manual carefully. The use of the attachment by persons who haven't read and understood this manual is expressly forbidden.
- 2) Before using the attachment, always inspect it thoroughly. Pay attention to any malfunctioning and to loose bolts, screws or brushes, as well as any other parts that may be damaged or loose. Use of the attachment is prohibited unless it is in perfect working order, so always carry out the recommended checks and maintenance before using it.
- 3) Learn to recognise all the single parts and the necessary checks before starting up the attachment.
- 4) The attachment must only be used by informed adults. Do not allow children or teenagers to use it. Do not use the attachment if you are in poor physical condition.
- 5) Keep people and objects at a safe distance, as explained further on.
- 6) Use only parts and accessories supplied by us, and do not allow any modification or transformation to be made. For more information, contact your dealer.
- 7) If the safety and warning signs are damaged, illegible or missing, have them replaced. Check the list of signs in the relative safety section. Keep the signs free of dirt, dust or mud.
- 8) Keep your body, especially hands and feet, away from moving parts.
- 9) Do not use the attachment if the covers and guards are not in good condition and correctly positioned. Do not use the attachment if the safety elements are not in good working order. Never tamper with the safety elements for any reason whatsoever.
- 10) If you hit or pick up an object, stop the machine straight away. Disconnect the power supply and switch off the motor, then lay the attachment on the ground and check it thoroughly. Before starting it up again, make sure the

best working conditions have been restored.

- 11) When you're not using the attachment, disable the PTO* (*power take-off that activates it) and lower it to the ground. Switch off the motor and remove the key.
- 12) Before carrying out any maintenance work on the attachment, make sure it's switched off and disconnected from the machine.
- 13) Use the attachment at a speed compatible with the safety requirements, the characteristics of the model used, and the road conditions.
- 15) When using and servicing the attachment, wear suitable clothing: goggles, gloves and other items, along with slip-proof accident prevention shoes.
- 16) Use the attachment in conditions of good visibility.
- 17) All operators must receive professional, practical training.
- 18) While working, always wear resistant footwear and long trousers. Don't use the attachment while wearing sandals or in bare feet.
- 19) Carefully inspect the area where the attachment is to be used, removing any objects that the attachment might pick up and launch.
- 20) Always disconnect the power supply when moving the machine from one area to another.
- 21) Whenever you leave the machine unattended, even just for a moment, engage the parking brake and disconnect the power supply.
- 22) Pay particular attention to people and obstacles when making reverse movements.



CAUTION: all the maintenance, cleaning and mounting/demounting of the attachment must be carried out by skilled personnel. When these tasks are being performed, the machine must be in an even position and with the power supply disconnected and the parking brake engaged.
The motor must be switched off and the key removed.

7. TECHNICAL CHARACTERISTICS

See figure 7.

BRUSH FOR MECHANICAL WEEDING	WBRH
Number of cylindrical ventral brushes	1
Diameter of the cylindrical ventral brushes (mm)	670
Working width (mm)	1200
Weight (kg)	77

8. PERSONAL PROTECTIVE EQUIPMENT

See figure 8.

Personal protective equipment (PPE) is the equipment worn by the worker to protect himself/herself against one or more risks that occur during work, maintenance and repair operations that could threaten their safety or health during work.

Always use (PPE) during work and maintenance operations, even if the risk of accidents is reduced to a minimum, to prevent those risks that cannot be eliminated, i.e. the "residual risks".

Use the suitable PPE for each specific procedure. Personal protective equipment that may be required includes safety shoes, protective glasses and / or a face guard, helmet, work gloves, respirators and hearing protection.

9. TRANSPORT AND UNLOADING

See figure 9.

The attachment is heavy and can lead to serious crushing injuries.

Load and unload it with caution.

Transport the attachment on a type-approved trailer.

During transportation, hold the attachment in place with the aid of type-approved belts, chains or ropes.

IMPORTANT: if the machine is packaged and placed on its pallet, it can be moved using a fork-lift (minimum capacity 100 kg).

If it isn't on a pallet, move the brush using suitable straps.

Be careful - the central point of the machine doesn't correspond to its centre of gravity (the point of intersection of the dotted black lines).

10. COMMANDS AND FUNCTIONS See figure 10.

The sweeper is activated using the following commands:

- 1) Brush lifting lever
- 2) P.T.O. activation
- 3) Cylinder command
- 4) Bipolar socket

10.1 BRUSH LIFTING LEVER See figure 10.1.

10.2 LIFT/HOPPER TILTING See figure 10.2.

- A - Hopper lifting
- B - Lift closure

10.3 BRUSH ACTIVATION See figure 10.3.

Activate the PTO.

11. ASSEMBLING THE SWEEPER See figure 11.

- 1) If there is another attachment fitted on the machine, remove it.
- 2) Remove the two safety pins from the attachment, with the relative split pins.
- 3) Bring the brush close to the machine.
- 4) Couple the attachment arms with the respective lifting arms on the machine.
- 5) Insert the safety pins and relative split pins.
- 6) Connect the hydraulic tubes of the attachment to the solenoid valve sockets. Connect the valve tubes to the AUX sockets on the right-hand side of the machine. Connect the three tubes (delivery, return and drainage) of the motor to the PTO sockets on the left-hand side of the machine.
- 7) Block the tubes connected to the AUX sockets on the plate on the right-hand side of the machine.
- 8) Connect the ends of the wires to the bipolar socket.
- 9) Fix the restraints to the cylinders on the hopper dumper.
- 10) Raise the attachment and remove the support feet.

12. ANGULAR BRUSH ADJUSTMENT See figure 12.

13. ROUTINE MAINTENANCE

IMPORTANT: When carrying out maintenance work, use only original spare parts to ensure optimum attachment reliability. Contact an authorised dealer when you need to purchase spare parts.

NOTE: Before carrying out maintenance work, read the "SAFETY STANDARDS" section carefully.
Make regular checks to ensure all the attachment commands are working properly.

13.1 LIFTING THE BRUSH See figure 13.1.

13.2 REPLACING THE FRONT BRUSH See figure 13.2.

- 1) Switch off the machine.
- 2) Rest the brush on a support.
- 3) Remove the 8 bolts indicated.
- 4) Replace the old brush with a new one.
- 5) Replace the 8 bolts.

NOTE: Make sure the screws are well tightened.

13.3 GREASING See figure 13.3.

Grease the brush joint and the cylinder via the greasing nipples (indicated in the figure).

13.4 CLEANING THE ATTACHMENT See figure 13.4.

Use only compressed air to clean the attachment.
Use a spatula to remove the encrustations that may form inside the body of the brush.

14. SPECIAL MAINTENANCE

Contact an authorised workshop when special machine maintenance is needed.

15. ATTACHMENT LEFT UNUSED

If the hydraulic sweeper is to be left unused for a long time, you are advised to follow these steps to ensure it remains in good working order for a long time:

- 1) Clean it carefully.
- 2) Make a general check of the condition of the bodywork and mechanical parts of the sweeper.
- 3) If necessary, carry out the routine maintenance tasks described above.
- 4) Store the attachment in a dry, well-aired place.
Lift it off the ground if possible, so that the central brushes aren't crushed under the weight of the sweeper body.
- 5) Cover it with a waterproof tarpaulin.

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16. SAFETY LABELS

See figure 16.

16.1 KEY

See figure 16.1

LABEL NUMBER	DESCRIPTION
1	Maximum permitted tilt
2	Do not go on slopes with elevator open
3	Turbine hazard
4	Elevator hazard
5	Blade coupling
6	Parking brake
7	Machine moving, keep a distance
8	Keep a distance, moving parts
9	Warning sign: Stop the engine, remove the key, read the manual before carrying out repair or maintenance work
10	Do not approach the machine until all the parts are stationary

LABEL NUMBER	DESCRIPTION
11	Risk of crushing. Do not stand between the machine and the attachment
12	Read the instruction manual before using the machine
13	Do not put your hands near the transmission shaft
14	Danger flying objects
15	Keep at a safe distance
16	Do not put your hands near the fan blades
17	Do not put your hands near the transmission belts
18	Battery cut-off switch
19	Lifting point
20	ROPS safety

17. GENERAL NOTES

A.

For technical interventions not envisaged by this manual, contact one of our authorised assistance centres.

B.

Keep the use and maintenance manual in a safe place. This manual may be modified without forewarning or other notification, to include variations and improvements to units already consigned. The reproduction or translation of any part of this manual is forbidden without the written notice of the owner.

C.

The sweeper is purposely designed for our "FC2" machines.

**ILLUSTRATIONS AND DIAGRAMS
ILLUSTRATIONS ET SCHÉMAS
BILDER UND ZEICHNUNGEN
ILLUSTRAZIONI E SCHEMI**

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Kubota Gianni Ferrari S.r.l.
via Vespucci, 53
42046 Reggio (RE) - Italy

MODELLO **WEED BRUSH - FC2**

MASSA **77 kg**

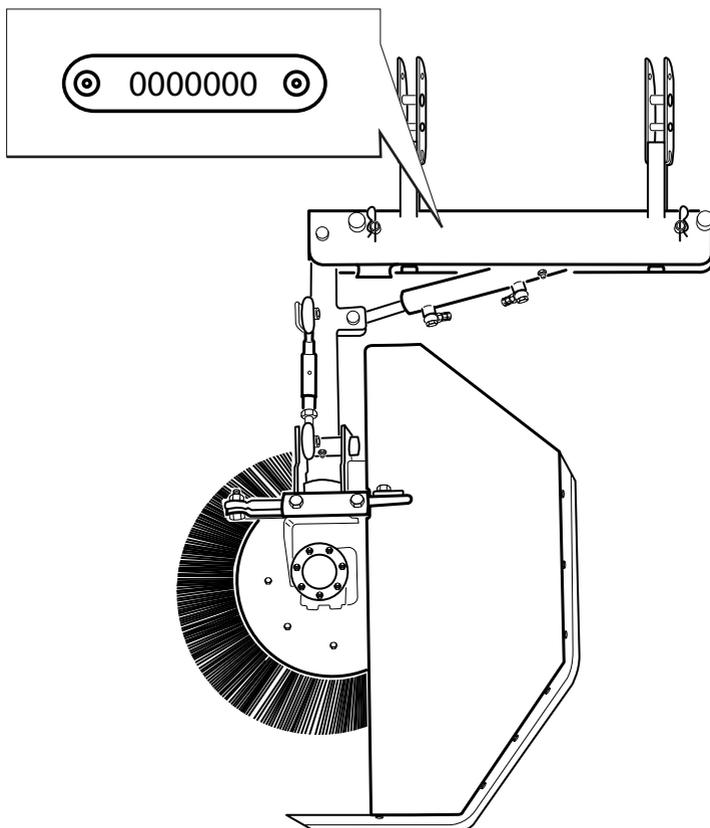
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Weed Brush

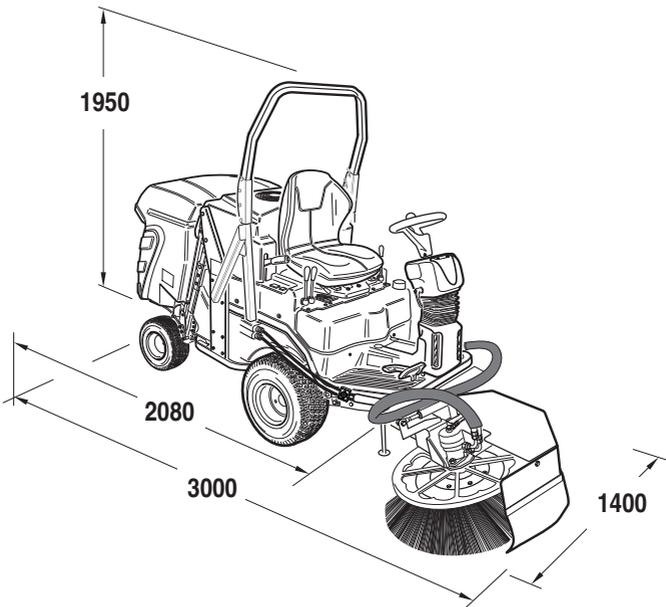


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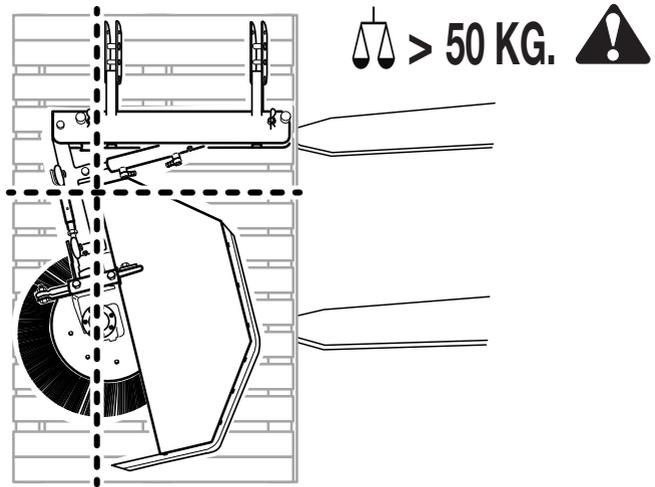
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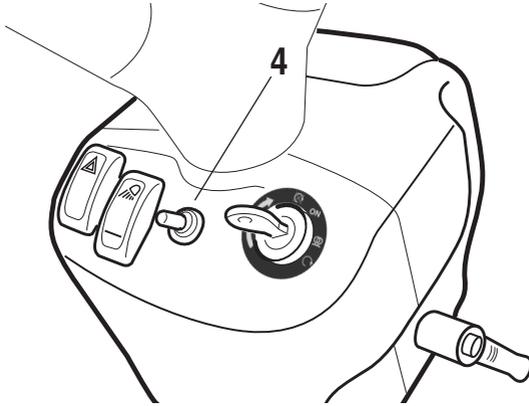
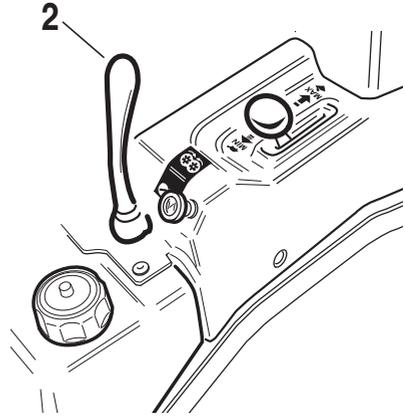
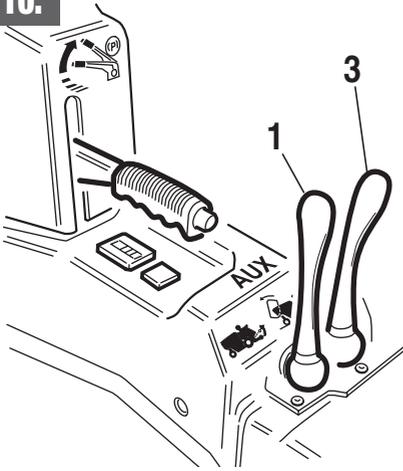
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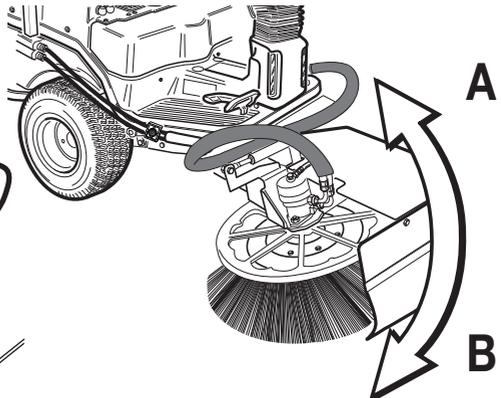
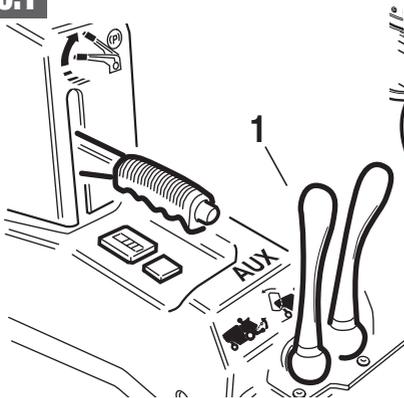
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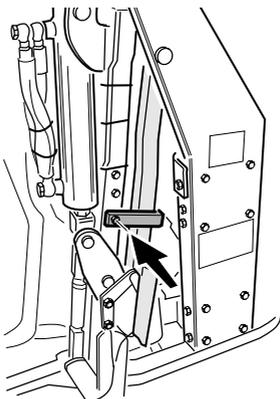
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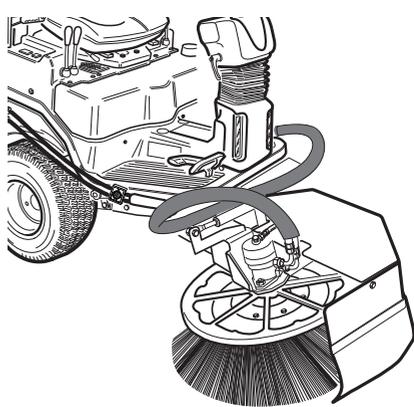
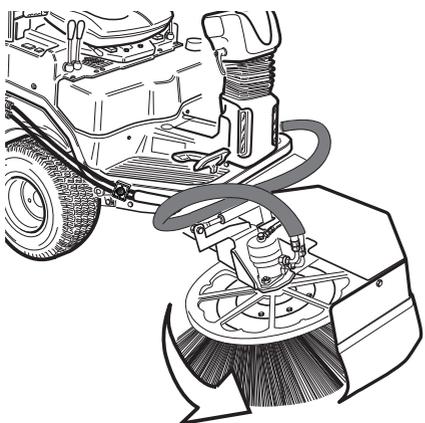
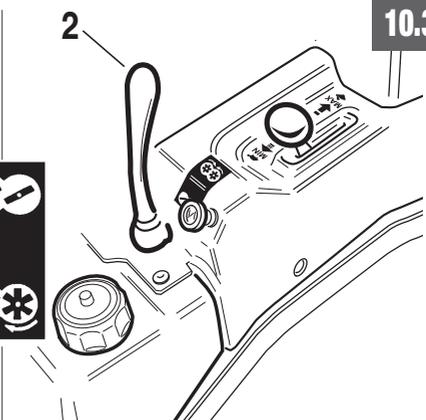
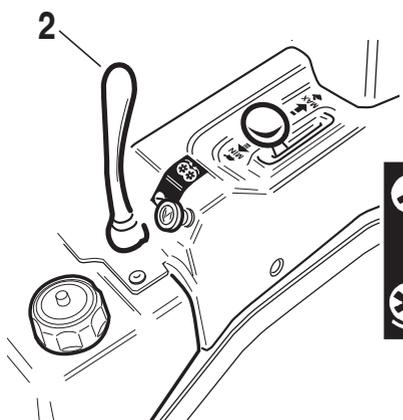
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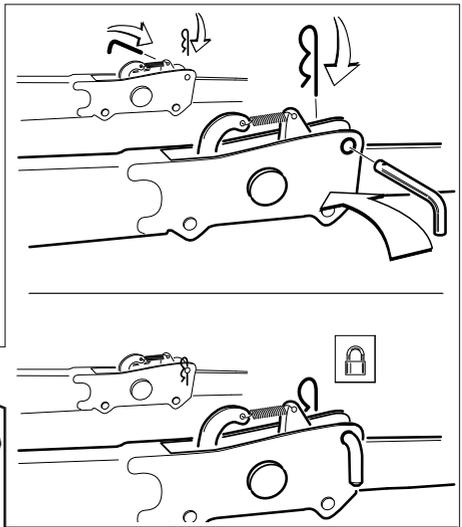
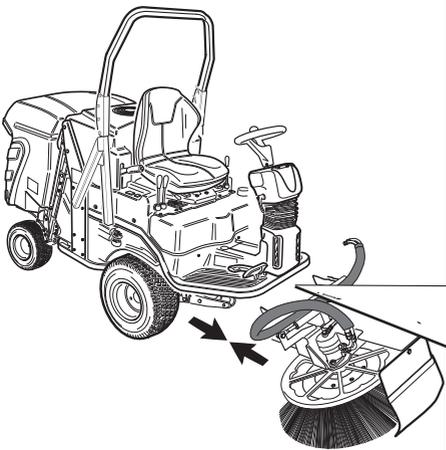
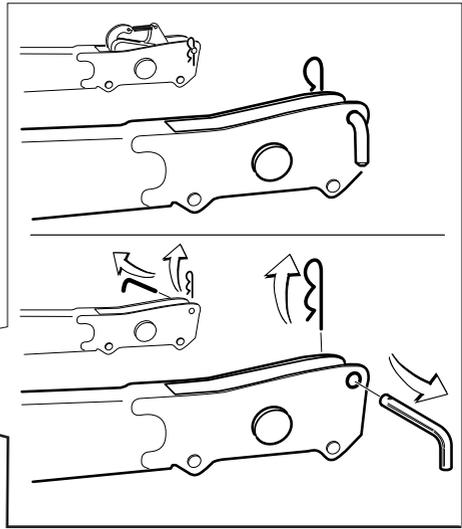
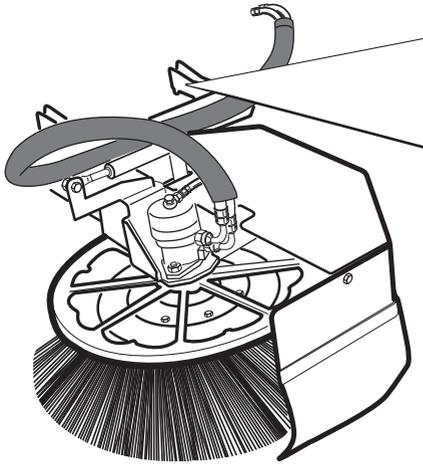


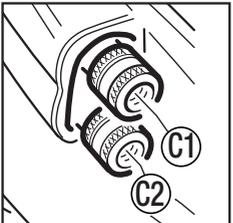
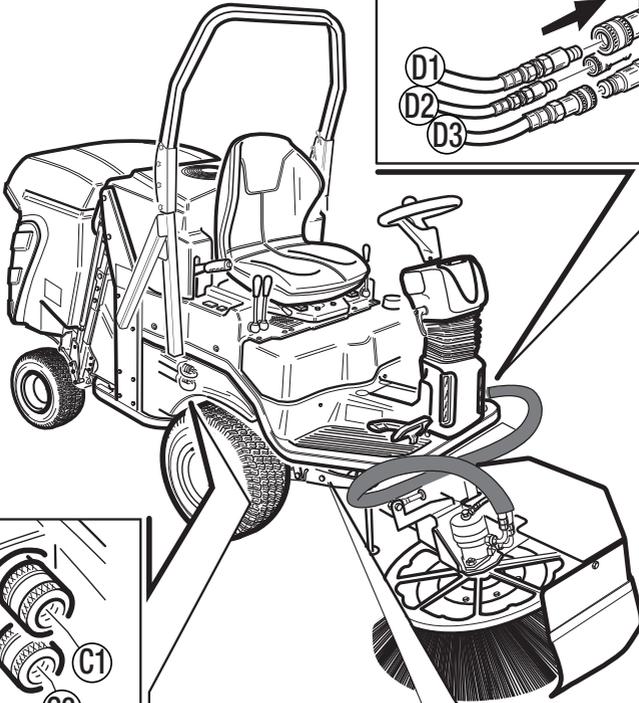
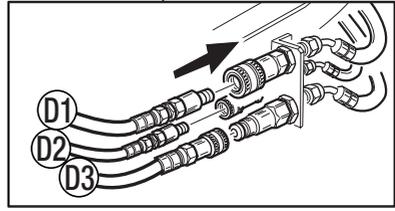
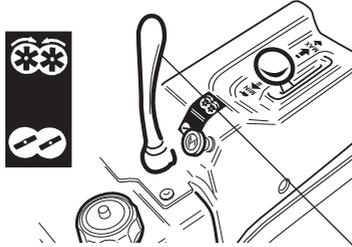
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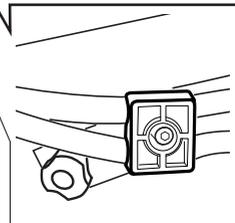
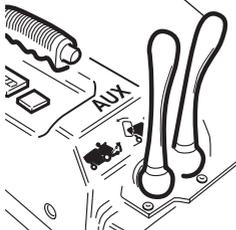
STOP!!

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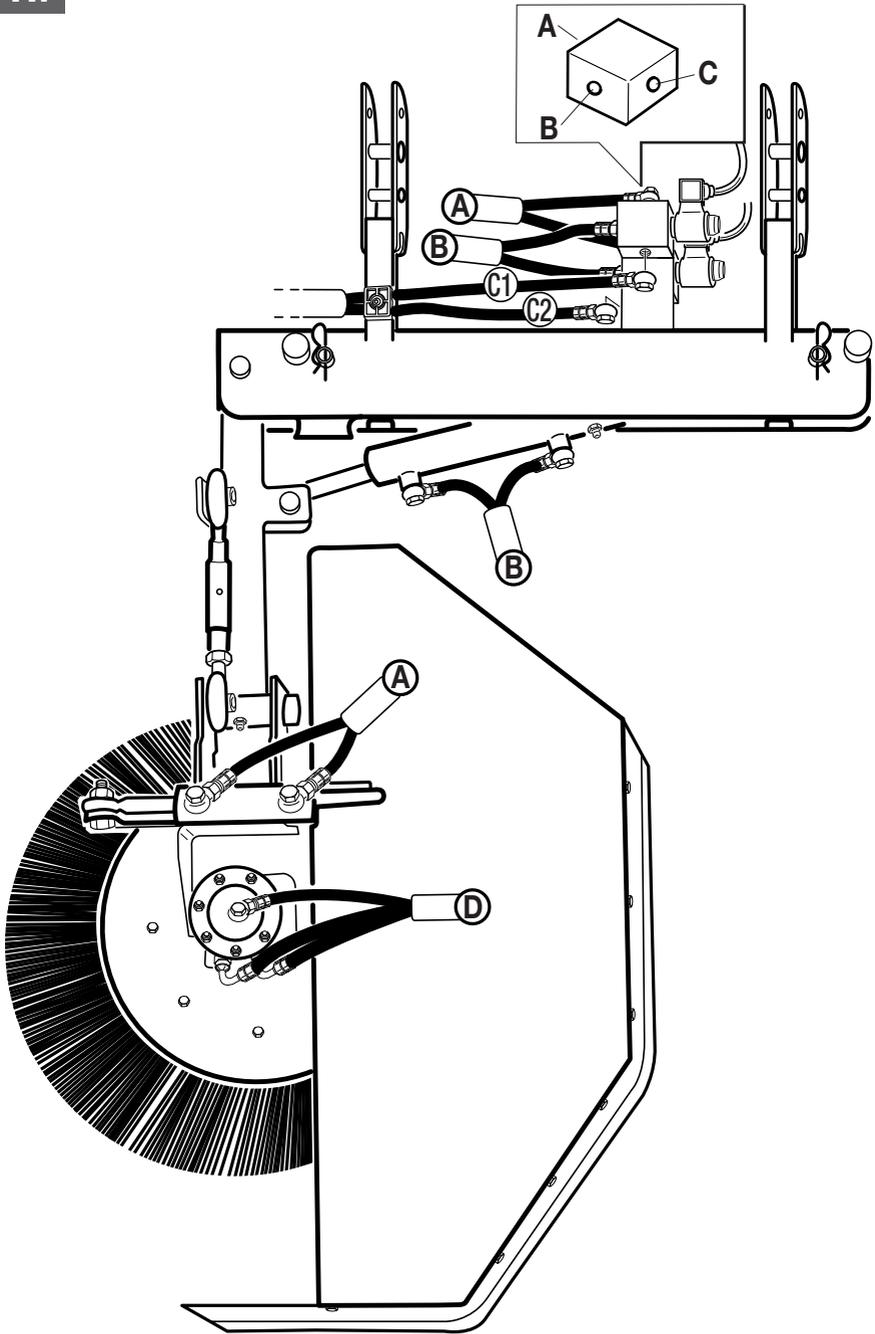


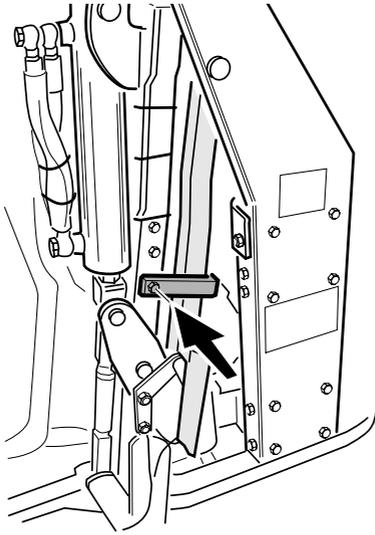
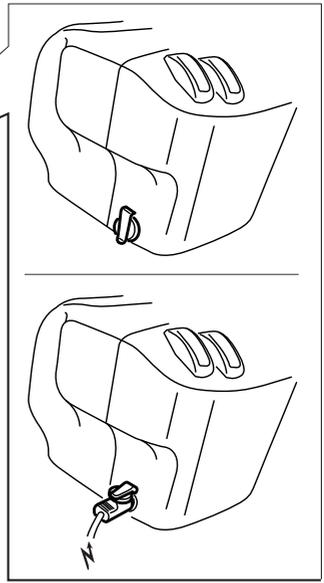
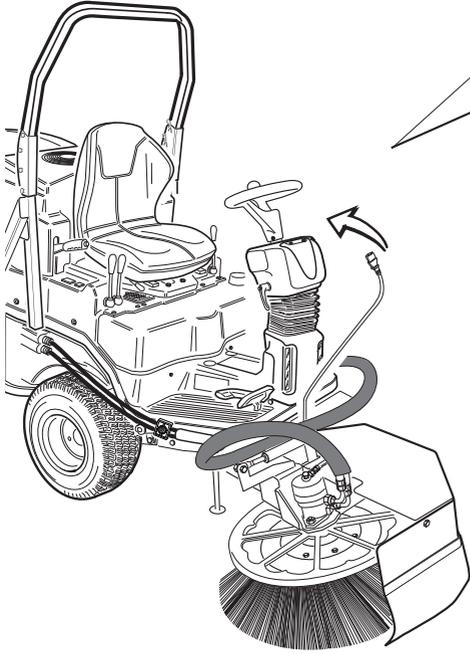


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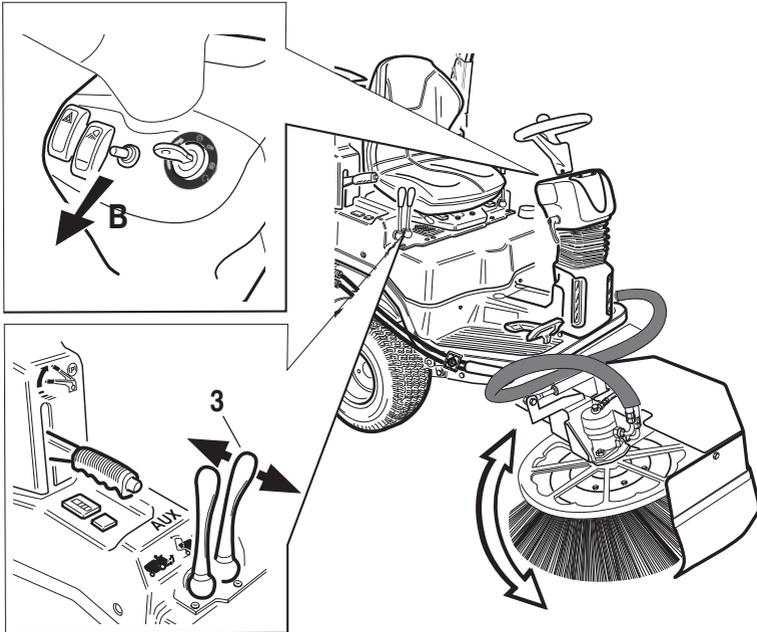
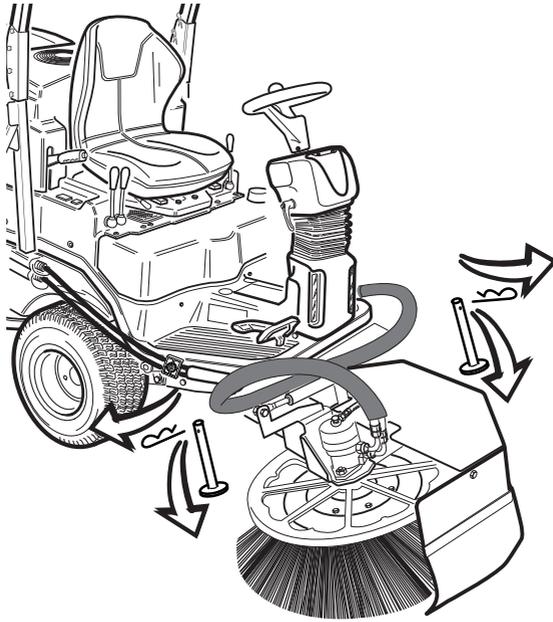


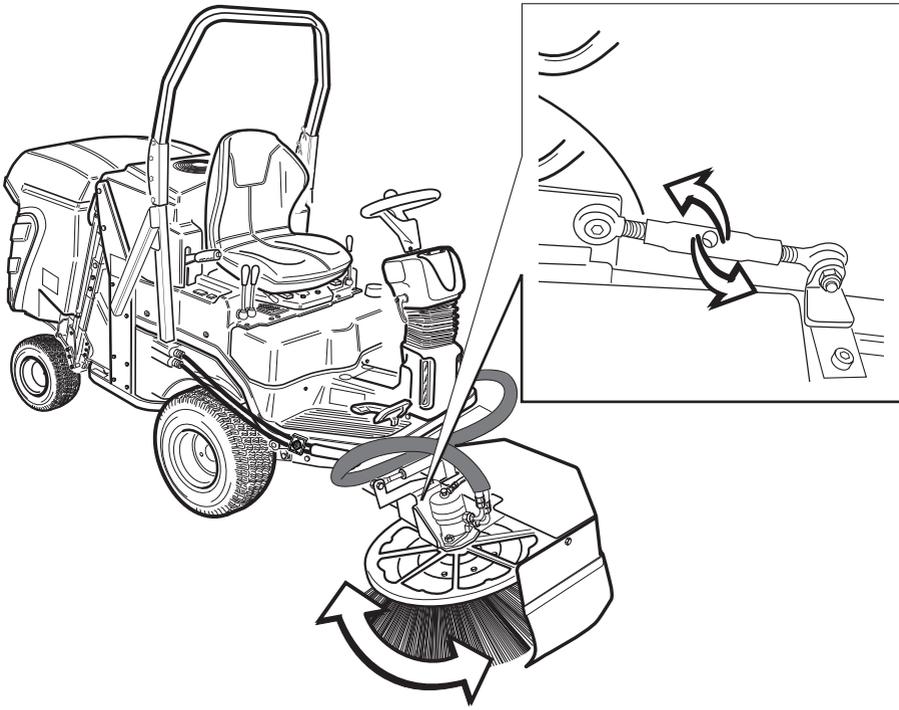
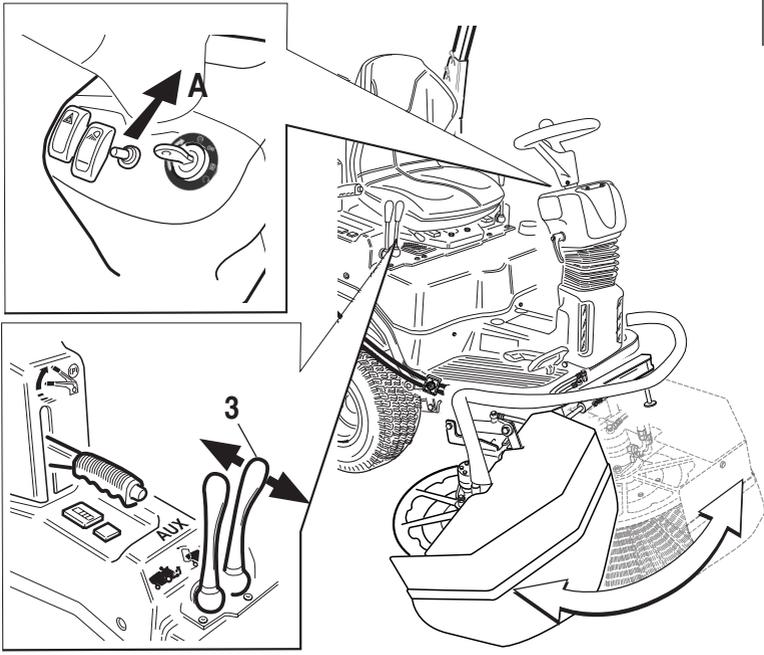
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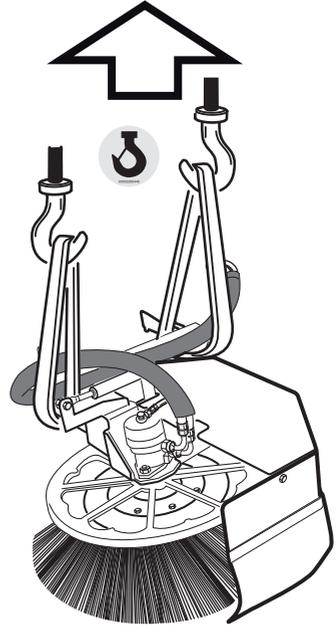
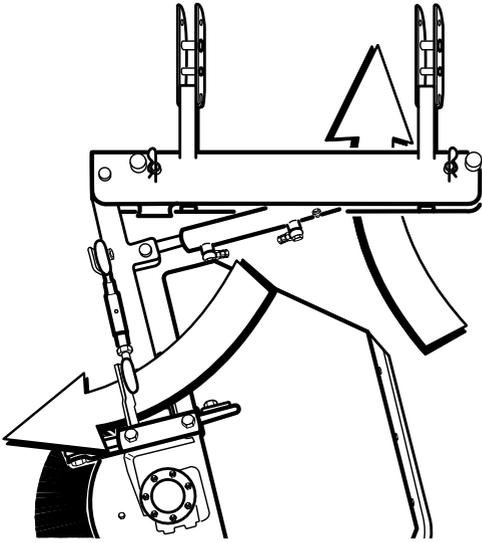


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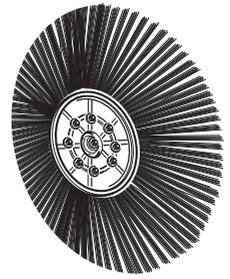
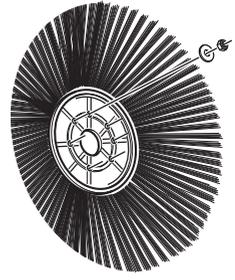
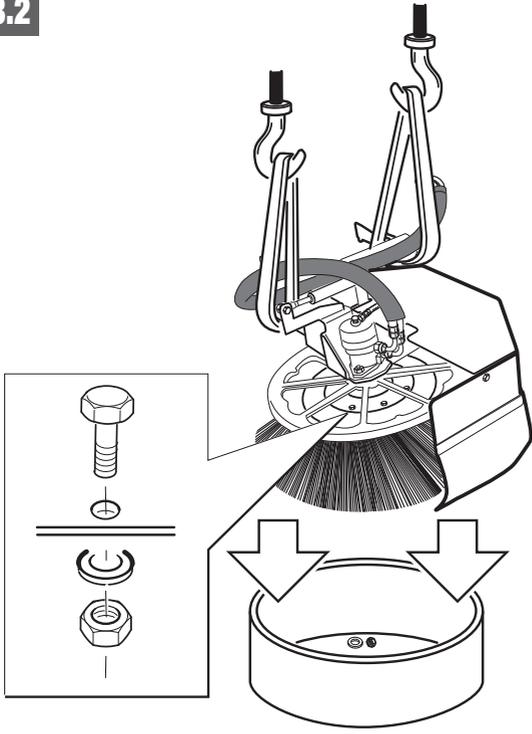




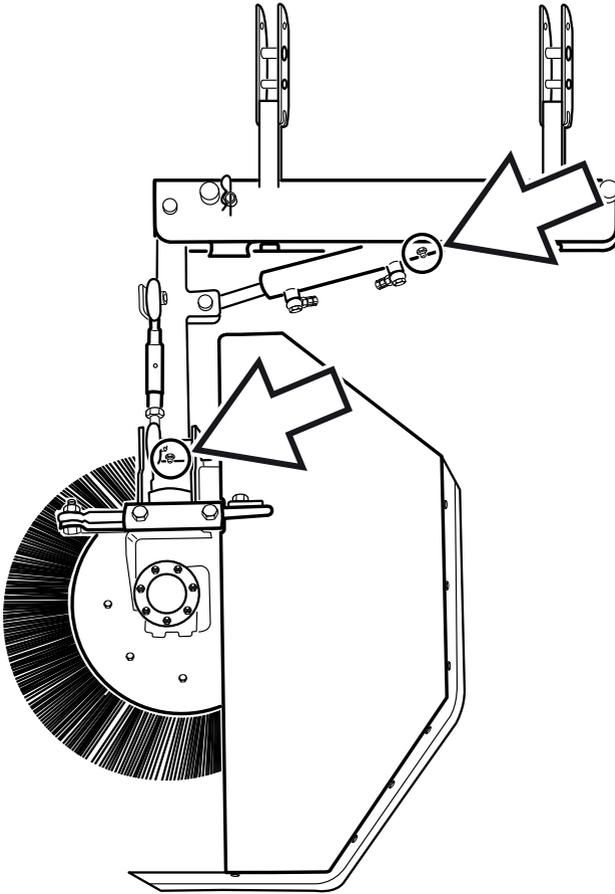
13.1



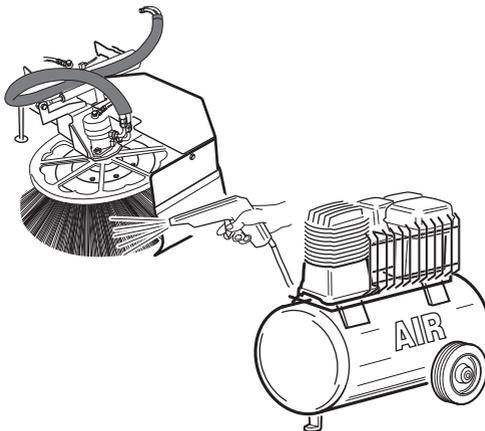
13.2



13.3



13.4



Kubota Gianni Ferrari S.r.l. via Vespucio, 53 42048 Pieggiolo (RE) - Italy		CE
MODELLO	WB20 BRUSH-FC1	
MASSA	77 kg	
Anno di costruzione		
Weed Brush		0013200105

