Wiedenmann®

Translation of original Operating Instructions

Leaf blower Mega Twister

894.000

From equipment I.D. No. :

Status : June 2014

894 99 01

EC DECLARATION OF CONFORMITY

We

Wiedenmann GmbH
Am Bahnhof
89192 Rammingen

declare under our sole responsibility that the product

Leaf blower
Mega Twister

to which this declaration refers, corresponds with the relevant basic safety and health requirements of the machinery directive 2006/42/EC.

Rammingen, the 11.06.2014	**Horst Wiedenmann**
(Place and date of issue)	**Managing Partner**
	(Name, function and signature of authorised person)

Rammingen, the 11.06.2014	**Peter Rischar**
(Place and date of issue)	**Technical office manager Authorised representative for tech. documentation**
	(Name, function and signature of authorised person)

NOTE: The declaration of conformity is no longer valid if changes are made to the machine that have not been agreed with the manufacturer.

Declaration of conformity

We

Wiedenmann GmbH
Am Bahnhof
89192 Rammingen

hereby declare that the product

Leaf blower
Mega Twister

referred to by this declaration complies with the requirements of Machinery Directive 2006/42/EC.

Rammingen, the 11.06.2014	**Karl Wiedenmann**
(Place and date of issue)	**Sales Manager**
	(Name, function and signature of authorised person)

Rammingen, the 11.06.2014	**Harald Reuen**
(Place and date of issue)	**Operations Manager**
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Preface

READ THESE OPERATING INSTRUCTIONS CAREFULLY to familiarise yourself with the correct way to operate and service your machine, and to prevent personal injury or damage to the machine.
These operating instructions and the adhesive safety signs on your machine can also be obtained in other languages (your dealer can order these for you).

THESE OPERATING INSTRUCTIONS ARE a permanent part of your machine and should be handed over to the new owner if the machine is sold.

MEASUREMENTS in these operating instructions are given in the metric system. Only use suitable parts and screws. Different wrenches are required for metric and inch screws.

THE DESIGNATIONS "RIGHT" AND "LEFT" refer to the forward driving direction of the mounted equipment.

ENTER THE PRODUCT IDENTIFICATION NUMBERS in the appropriate "Technical data" or "Product - Identification Number" sections. Please ensure that all figures are accurately entered. These numbers can be of invaluable assistance for tracing the machine should it be stolen. Your dealer also needs these numbers when you order spare parts. We recommend that you additionally file these identification numbers in a secure place away from the machine.

BEFORE DELIVERY OF THIS MACHINE, your dealer performed a pre-delivery inspection to ensure optimal performance.

THIS DEVICE DESIGNED EXCLUSIVELY for commercial use and regular application in the maintenance of greens and parks for the wind generation through air without particles carried in the air stream ("SPECIFIED USE").
Usage for any other purpose beyond this is considered as contrary to the intended use. The manufacturer accepts no liability for damage or injury resulting from this improper use. These risks are borne solely by the user. Compliance with and strict adherence to the operating, maintenance and repair conditions as specified by the manufacturer also form essential elements of the intended usage.

FORESEEABLE INCORRECT USE/MISUSE. It is not permitted to use the attached device to transport persons or things. NO materials may be poured into the blower via the intake grille.

THIS MACHINE MUST ONLY BE operated, maintained and repaired by persons familiar with all its particular characteristics and acquainted with the relevant safety regulations. The relevant accident prevention regulations, all other generally recognised safety-related, occupational medicine and road traffic regulations must be adhered to. Any modifications carried out to this machine without the express approval of the manufacturer excludes the manufacturer of all liability for any resulting damage.

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TABLE OF CO N T E N T S Page

1.0. Safety

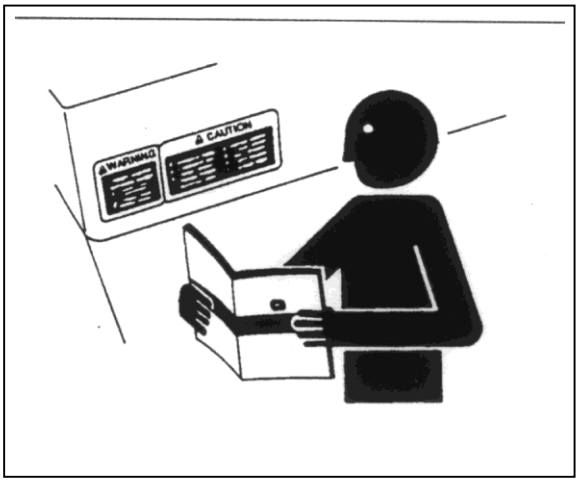
Recognize safety information

This is the safety-alert symbol. When you see this symbol on your machine or in this manual, be alert to the potential for personal injury.

Follow recommended precautions and safe operating practices.

Follow safety instuctions

Carefully read all safety messages in this manual and on your machine safety sings. Keep safety sings in good condition. Replace missing or damaged safety sings. Be sure new equipment components and repair pqarts include the curret safety sings.
Replacement safety sings are available from your dealer.



Learn how to operate the machine and to use controls properly. Do not let anyone operate without instruction.

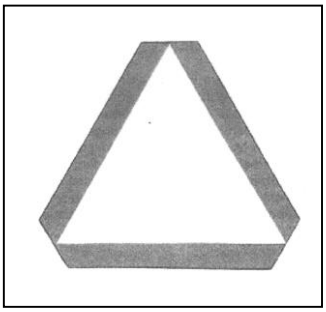
Keep your machine in proper working condition. Unauthorized modifications to the machine may impair the fuction and/or safety and afect machine life.

If you do not understand any part of this manual and need assistance, contact your dealer.

1.0. Safety

Observe road traffic regulations

Always observe local road traffic regulations when using public roads.



SCHUTZKLEIDUNG TRAGEN

Wear close fitting clothing and safety equipment appropriate to the job.

Prolonged exposure to loud noise can cause impairment or loss of hearing.

Wear a suitable hearing protective device such as earmuffs or earplugs to protect against objectionable or uncomfortable loud noises.

Operating equipment safety requires the full attention of the operator. Deo not wear radio or music headphones while operating machine.

Stay clear of rotating drivelines

Entanglement in rotating driveline can cause serious injury or death.

Keep tractor master shield and driveline shields in place at all times. Make sure rotating shields turn freely.

Wear close fitting clothing. Stop the engine and be sure PTO driveline is stopped before making adjustments, connections, or cleaning out PTO driven equipment.

Guard and shields

Keep guards and shields in place all the times. Ensure that they are in good condition and installed correctly.

Always disengage the driveline, shut off engine and remove key before removing any guards or shields.

Keep hands, feet and clothing away from moving parts.

Avoid high - pressure fluids

Escaping fluid under pressure can penetrate the skin causing serious injury.

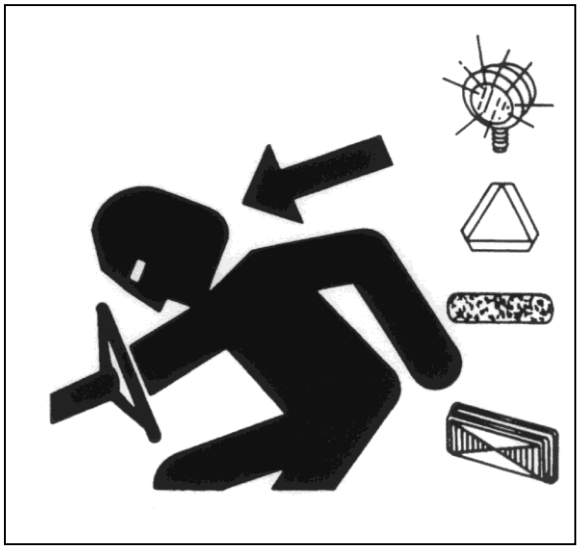
Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure.

Search for leaks with a piece of cardboard. Protect hands and body from high pressure fluids.

If an accident occurs, see a doctor immediately. Any fluid injected into the skin must be surgically removed within a few hours or gangrene may result. Doctors unfamiliar with this type of injury should reference a knowledgeable medical source.

Use safety lights and devices

Prevent collisions between other road users, slow moving tractors with attachments or towed equipment, and self-propelled machines on public roads. Frequently check for traffic from the rear, especially in turns, and use hand signals or turn signal lights.



Use headlights, flashing warning lights, and turn signals day and night. Follow local regulations for equipment lighting and marking. Keep lighting and marking visible and in good working order. Replace or repair lighting and marking that has been damaged or lost.
An implement safety lighting kit is available from your dealer.

Avoid heating near pressurized fluid lines

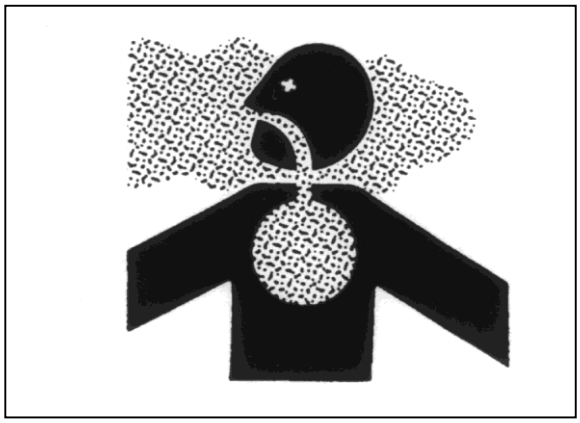
Flammable spray can be generated by heating near pressurized fluid lines, resulting in severe burns to yourself and bystanders. Do not heat by welding, soldering, using a torch near pressurized fluid lines or other flammable materials. Pressurized lines can be accidentally cut when heat goes beyond the immediate flamme area.

Remove paint before welding or heating

Welding should only be carried out by persons with a relevant qualifying certificate i.a.w. EN287.

Avoid potentially toxic fumes and dust.

Hazardous fumes can be generated when paint is heated by welding, soldering, or using a torch.



Do all work outside or in a well ventilated area. Dispose of paint and solvent properly.

Remove paint before welding or heatingh:

- If you sand or grind paint, avoid breathing the dust. Wear an approved respirator.
- If you use solvent or paint stipper with soap and water before welding. Remove solvent or paint stripper containers and other flammable material from area. Allow fumes to disperse at least 15 minutes before welding or heating.

1.0. Safety

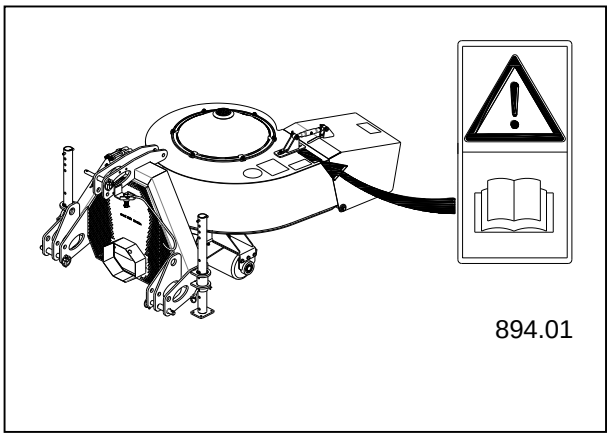
1.1. Safety Decals

Pictorial safety signs

At several important places, this machine has safety signs, which indicate potential danger. The hazard is identified by a symbol in a warning triangle. An adjacent pictograph provides information on how to avoid personal injury.
These safety signs, their placement on the machine and a brief explanatory text are shown below.

Operating Instructions

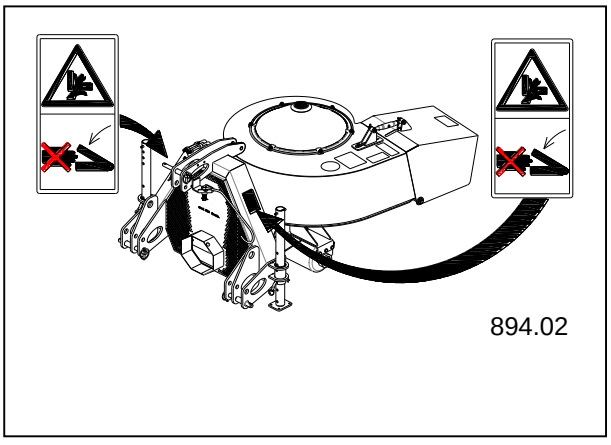
In our operating instructions all important information necessary for operating the machine safely are contained. Carefully observe all safety rules to avoid accidents.



894.01

Swivelling range

Never reach into areas of crushing hazard as long as any parts may move.



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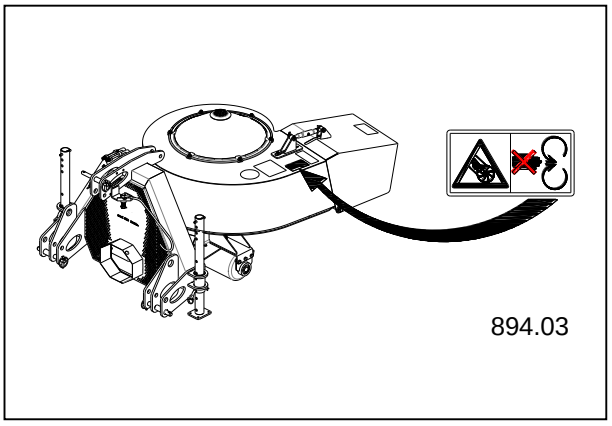
1.0. Safety

1.1. Safety Decals

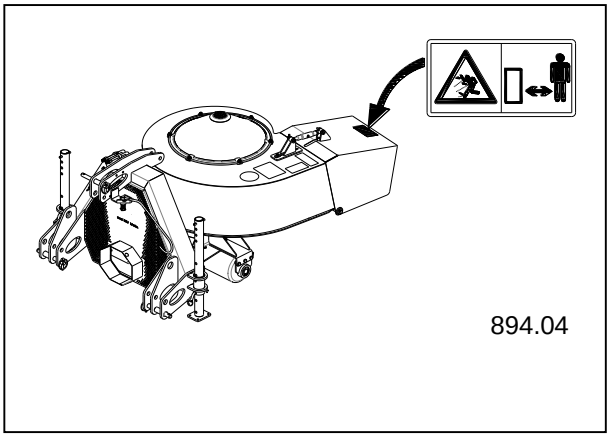
Blower

Never put your hands inside the blower while the engine is running.



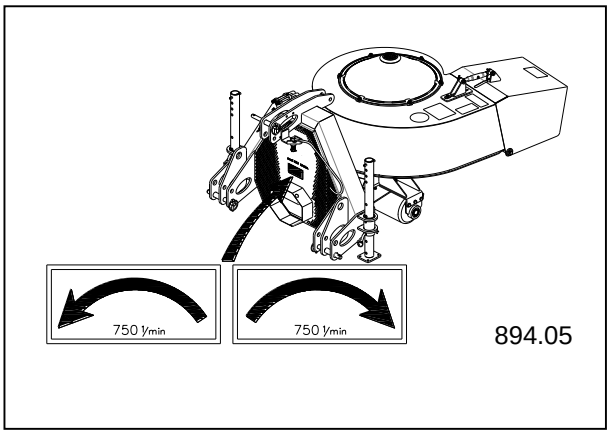
Blow-out cover

When operating ensure that sufficient distance is left as there is a risk of injury from thrown or flying objects.



Direction of rotation and number of revolutions of the power take-off shaft

The direction of rotation of the power take-off shaft must be absolutely observed. Please control it during the initial start-up. The declared number of revolutions may not be exceeded. Otherwise there is the risk of extensive damages to the blower.

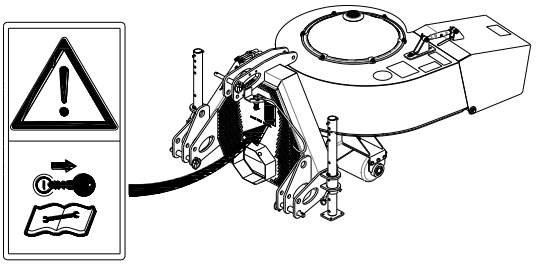


1.0. Safety

1.1. Safety Decals

Service

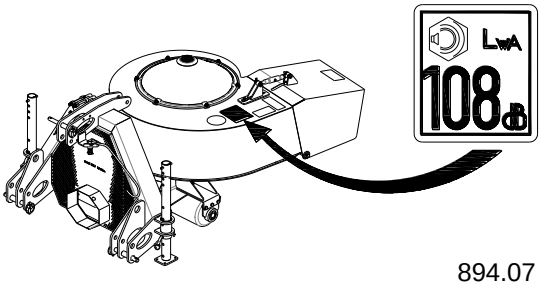
Before performing service or repair work, turn off engine and remove key.



894.06

Noise level

This decal indicates the value determined in accordance with Article 13 of Directive 2000/14/EC



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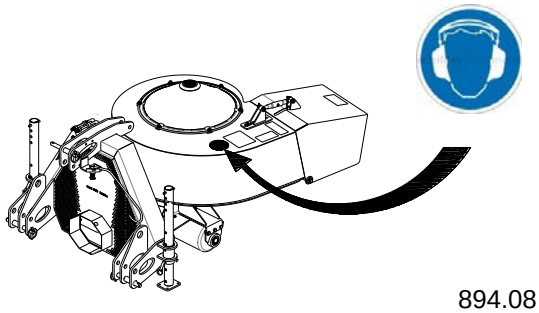
When working for several hours, we recommend that you wear ear protectors.



894.08

1.2. Safety instructions 

1. When observing the operating instructions also pay attention to general safety specifications and rules for the prevention of accidents!
2. It is important to familiarize with all devices and operating elements as well as with their action before starting service. Make sure that all protective devices have been properly mounted. It will be too late for this during operation!
3. On the working area the user is responsible for any third parties!
4. Direct everyone out of the danger zone before starting.
5. Switch off the drives immediately if there are people in the danger zone.
6. Corresponding specifications must be observed on public roads!
7. Before starting pay attention that nobody is around (Child!). Make sure to have a good view!
8. It is forbidden to stand within the risk area of the appliance!
9. Any mounting on the mounted implement must be done only when the motor is stopped and the power take-off shaft is turned off.
10. Use only the cardan shaft which is especially assigned for the mounted implement.
11. Ensure a sufficient axle load, for the steerability of the tractor must be maintained.
12. The driving and operating qualities of the tractor can be influenced by mounting the device. The way of driving must be adjusted to the respective conditions of the terrain and of the soil. Be particularly careful when working and turning on slopes.
13. During all maintenance works, the machine as well as the motor of the mounted implement must be switched off. Before starting the machine, all protective devices must be mounted.

1.3. The safety devices

GENERAL SAFETY SIGN REQUIREMENTS

A safety sign with the following safety practices or similar set of messages shall be provided on the machine. The label should be visible to an operator's position, if possible.

a) Read the operator's manual.

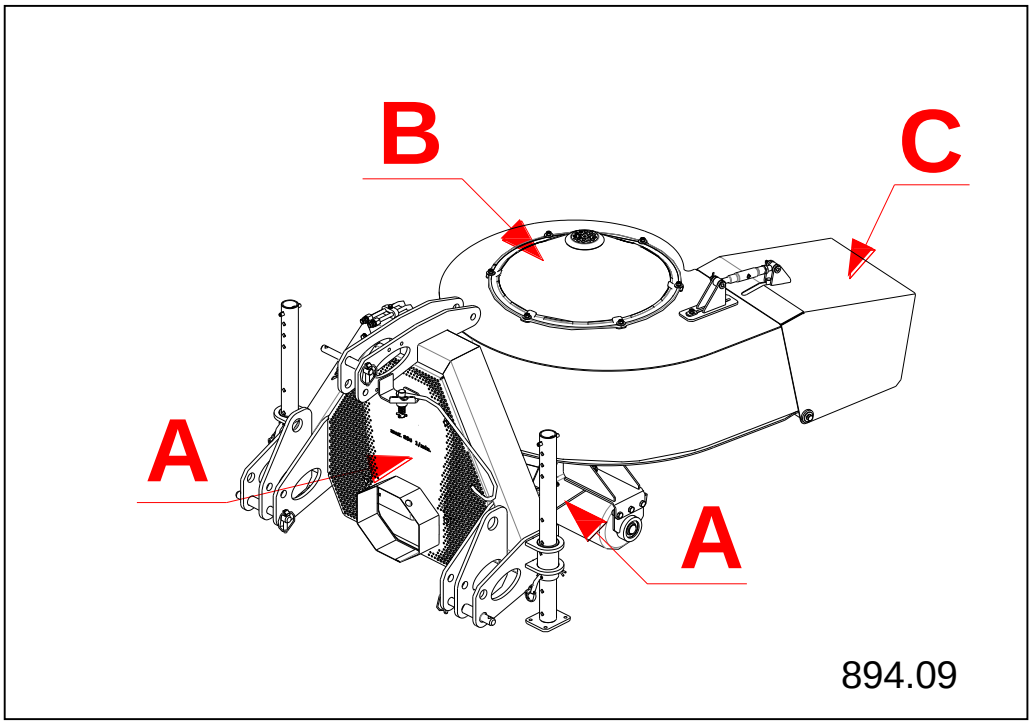
b) Do not operate the machine without guards, shield, and safety devices in place and working.

c) Do not operate the machine when children and others are around.

d) Do not allow operation of the machine by untrained personnel.

ATTENTION - DANGER !
Never use Mega Twister without safety equipment. Otherwise, you expose yourself and others to extreme danger.
⇒ Moving parts may cause serious injuries.

Where to Find Safety Equipment on your Machine



A = Covers, only removable with tools.

B = Grille, only removable with tools.

C = Blowing nozzle, only removable with tools

2.0. Assembly

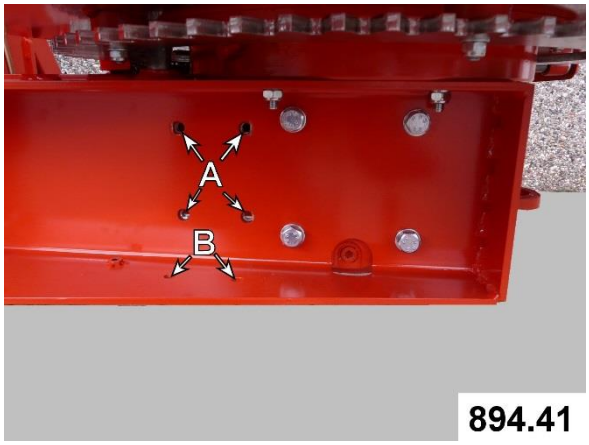
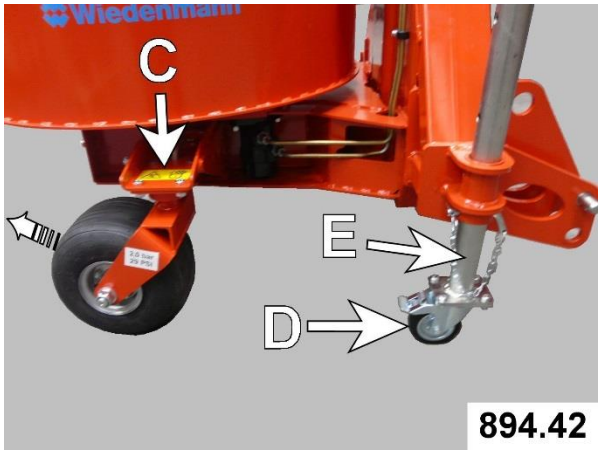
2.1. General Information

WARNING:

For all work, the device must be hitched to the tractor. Raise the attached device using the rear hydraulics until the support legs can be inserted into one of the uppermost holes.
- RISK OF INJURY !

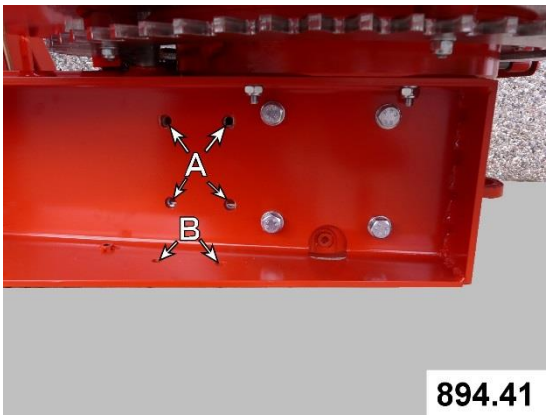
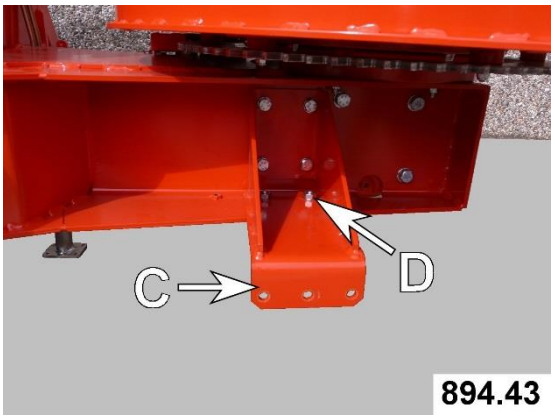
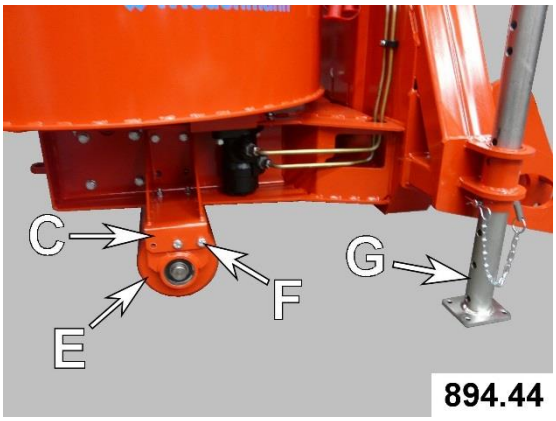
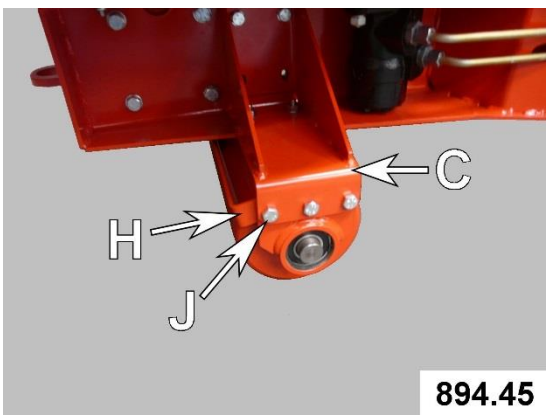
For this work, please use your personal protective equipment (PSA) such as: gloves, goggles, ear protectors.

2.2. Assembling the chassis

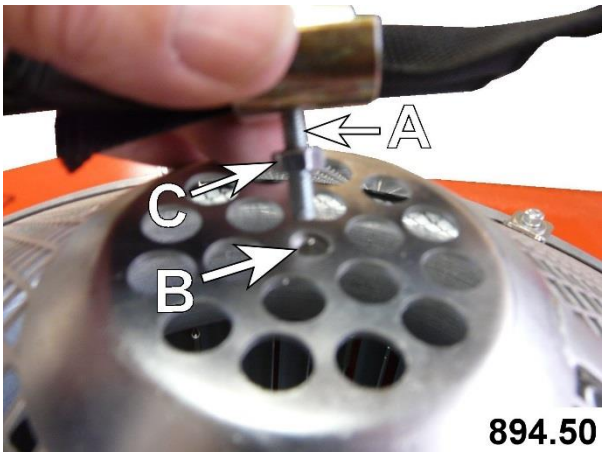
The attachment points for the two chassis supports are: 4 threaded holes (A) 2 holes (B)	 894.41
In image 891.42, the chassis is mounted to the right (C) and the locked running wheel is rotated to the rear. The fixed roller (D) supplied, which comprises a brake, should be attached to the underside of the support leg (E).	 894.42

2.0. Assembly

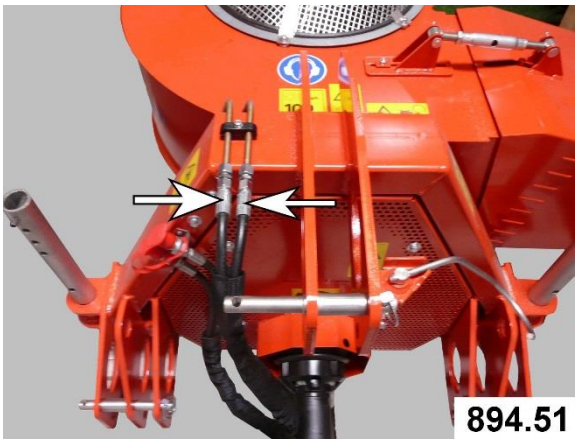
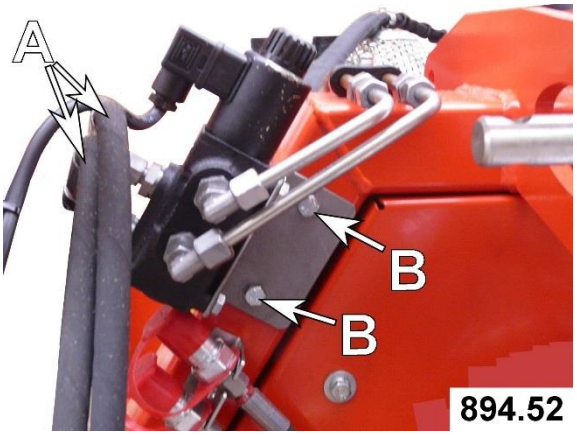
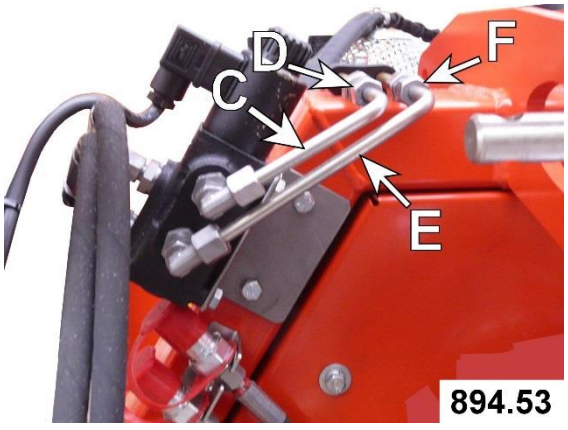
2.3. Assembling the roller unit

The attachment points for the roller unit are: 4 threaded holes (A) 2 holes (B)	 894.41
Fix the bracket (C) on both sides. The hexagon screws (D) must be inserted from below.	 894.43
Use the bearings to fix both ends of the roller (E), with two hexagon screws (F) in each case, in the front holes of the bracket (C). In the roller unit version, NO fixed rollers are attached to the support leg (G).	 894.44
The stripping bowl (H) is fixed to the bracket (C) a small distance from the roller with the remaining hexagon screws (J).	 894.45

2.4. Hydraulically adjusting the blow-out nozzle

Carried out via an additional hydraulic cylinder (optional) Mount the hydraulic cylinder instead of the mechanical adjustment. Secure pin with linch pin.	 894.49
Screw the hexagon screw **(A)** into the thread on the grille **(B)**. Turn the hexagon nut **(C)** downwards to secure the screw in place. It must be possible to easily move the hydraulic hoses after they have been fixed using the two fastening clamps.	 894.50
When securing the hydraulic hoses, observe the swinging of the blower casing.	

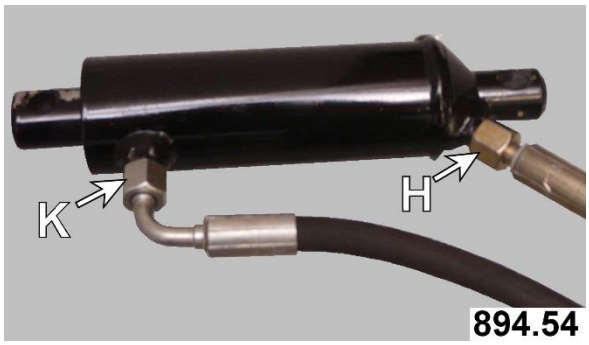
2.5. Hydraulically adjusting the blow-out nozzle using a control valve

Remove the hydraulic hoses **(A)** from the Mega Twister on the tractor.	 894.51
Secure the control valve and its fixing bracket to the available hexagon screws **(B)** on the front. Connect the hydraulic hoses **(A)** to the control valve's threaded connections	 894.52
Connect the control valve's hydraulic pipe **(C)** with the threaded connection **(D)**. Connect the control valve's hydraulic pipe **(E)** with the threaded connection **(F)**.	 894.53
Remove the hydraulic hoses from the cylinder on the tractor.	

2.5. Hydraulically adjusting the blow-out nozzle using a control valve

Connect the hydraulic hose **(G)** from the control valve to the hydraulic cylinder's threaded connection **(H)**.

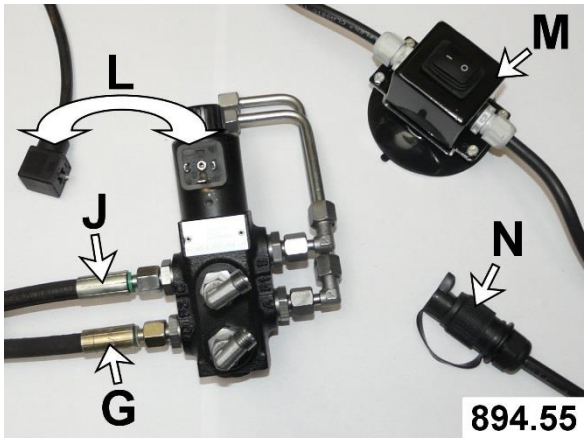
Connect the hydraulic hose **(J)** 90 from the control valve to the hydraulic cylinder's threaded connection **(K)**.



Insert the plug **(L)** in the control valve and secure it using the screw.

Lay the cable with switching box **(M)** for the operator area in the tractor.

Connect the 3-pin plug **(N)** to the corresponding socket on the tractor.



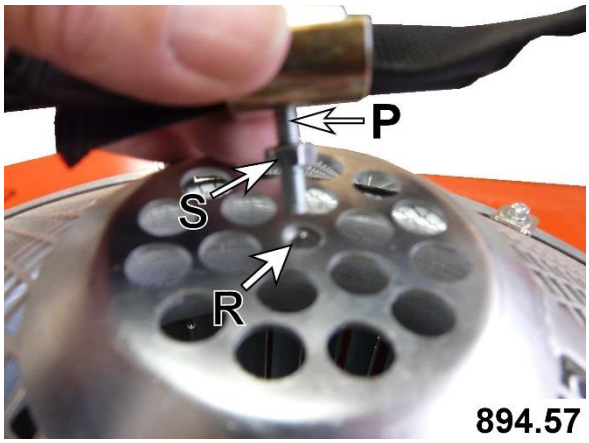
If your tractor is not equipped with such a socket, please consult your dealer or have one installed by a specialist technician.

The parts **(T)** needed to install a suitable socket are included in the equipment supplied.

Screw the hexagon screw **(P)** into the thread on the grille **(R)**.

Turn the hexagon nut **(S)** downwards to secure the screw in place.

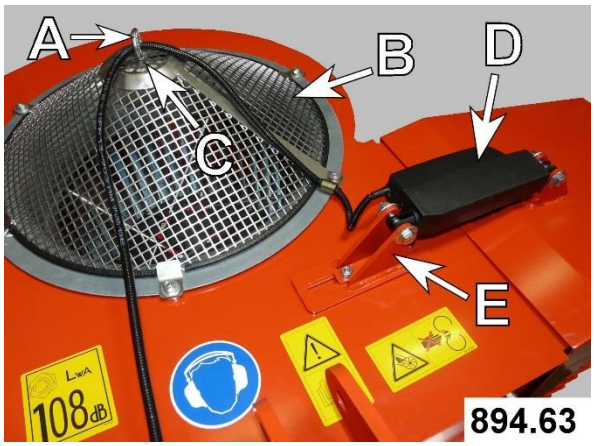
It must be possible to easily move the hydraulic hoses after they have been secured using the two fastening clamps.



2.0. Assembly

2.6. Electric adjustment of the blow-out nozzle

Screw the ring bolt **(A)** into the thread on the grille **(B)**. Turn the hexagon nut **(C)** downwards to secure the ring bolt in place.
Attach the electrospindle **(D)** to the mechanical adjustment. Fit the bracket **(E)** to the electrospindle.



894.63

It must be possible to easily move the electrospindle after it has been secured using the two fastening clamps **(F)**.

894.64

Lay the cable with switching box **(G)** for the operator area in the tractor.

Connect the 3-pin plug **(H)** to the corresponding socket on the tractor.

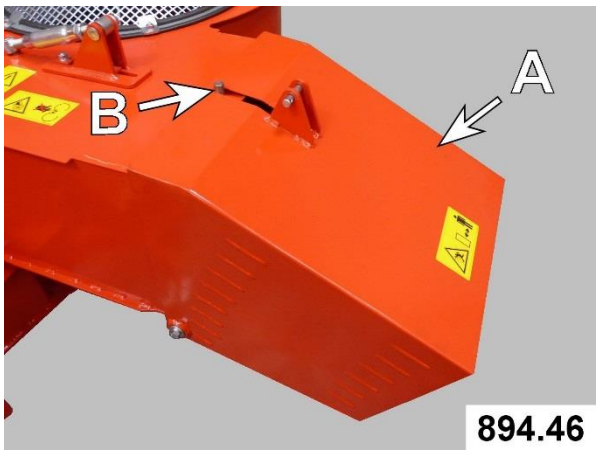
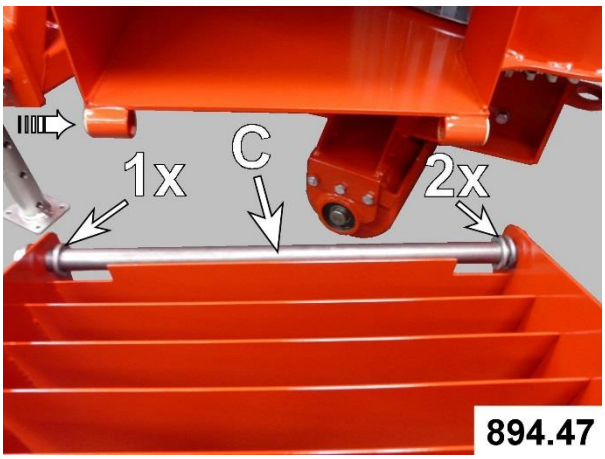
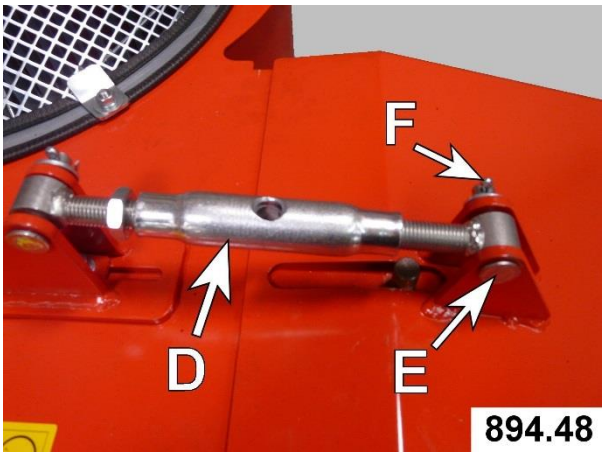
If your tractor is not equipped with such a socket, please consult your dealer or have one installed by a specialist technician.

The parts **(J)** needed to install a suitable socket are included in the equipment supplied.

894.65

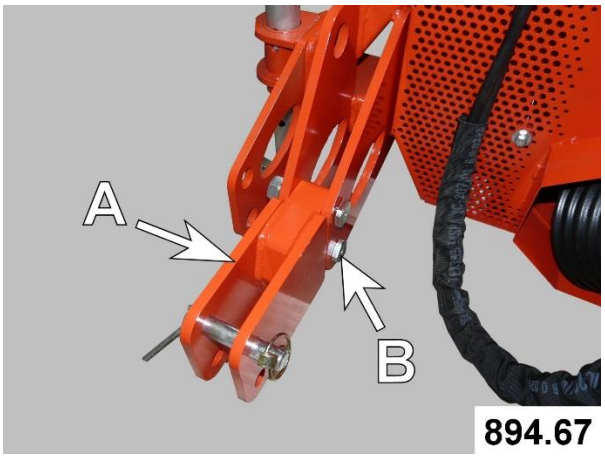
2.0. Assembly

2.7. Attaching the blow-out nozzle

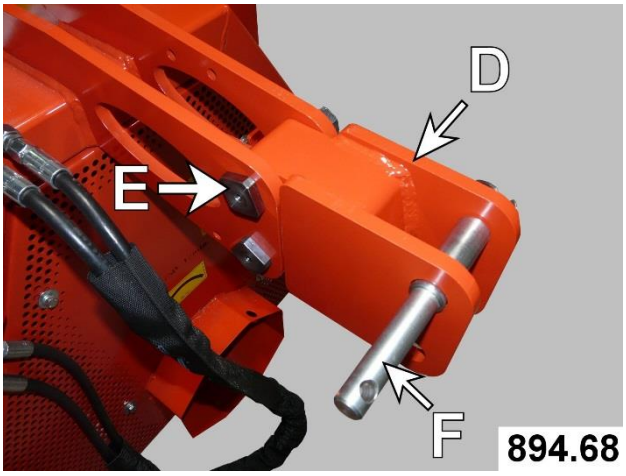
Hook the blow-out nozzle (A) on with the slot on the locking pin (B)	
Push the shaft (C) from the left into the bearing bushing. NOTE: On the left-hand side insert 1 spacer ring and on the right-hand side insert 2 spacer rings between the housing and the blow-out nozzle.	
Attach the blow-out nozzle adjustment [mechanical (D), electrical or hydraulic] to the bolts (E) and secure with the split pin (F).	

2.0. Assembly

2.8. Mounting the lower guide bar extension

Remove lower guide bar bolt. Insert lower guide bar extension (A) with bolt (B) from the inside to the outside. Secure using the lock washer and hexagon nut.	

2.9. Mounting the upper guide bar extension

Remove upper guide bar bolt. Insert upper guide bar extension (D) with bolt (E) from the inside to the outside. Secure using the lock washer and hexagon nut. Insert upper guide bar bolt (F) and secure via linch pin.	

3.0. Transport

3.1. General Information

CAUTION DANGER:

- **Mega Twister is delivered secured to a transport frame.**
- **Only use fork lifts, cranes or hoisting gear with sufficient lifting capacity.**
- **Never stand under lifted loads. There is an imminent danger to life if the load falls.**

Improper transport and mounting of Mega Twister can result in:

- injury to persons
- damage to property.

Pay special attention to the direction of approach when lifting the machine with the transport frame.

We do not accept any liability for damage resulting from improper handling.

3.2. Transporting Mega Twister

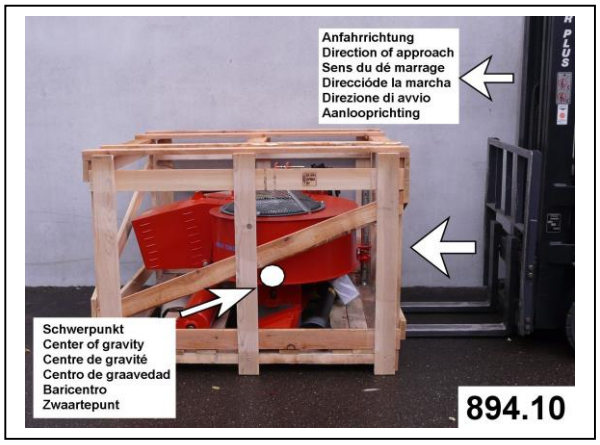
CAUTION DANGER:

Caution must be excercised when cutting through the securing straps.
Risk of injury due to ends "springing open".

3.2.1. Transport Using a Forklift

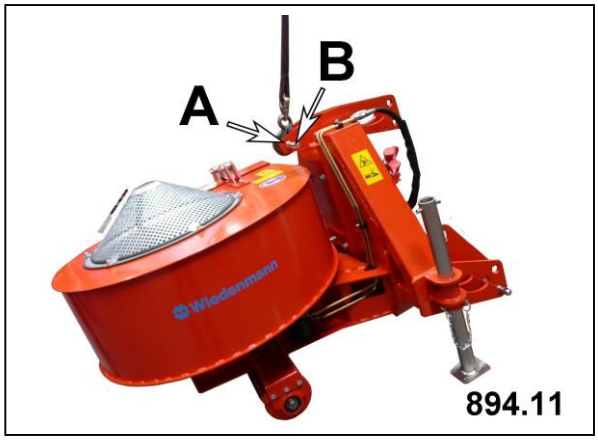
If the Mega Twister is still secured to the transport frame:

- insert the forks under the transport frame (pay attention to the direction of approach),
- carefully lift the transport frame,
- unload the Mega Twister from the transport device when it is balanced.
- cut through the securing straps,
- connect Mega Twister to the tractor and lift it from the transport frame (See item 4.2.).



3.2.2. Transport Using a Crane

- Hook the ropes or harnesses into the rear hole (A) on the frame using the top link pin (B).
- Unload the Mega Twister when it is securely suspended.



NOTE :
Transportation damage and missing parts must be immediately reported in writing to the transport company and Wiedenmann GmbH or the supplier.

3.2. Transporting Mega Twister

3.2.3. Mounting point for transport on a trailer

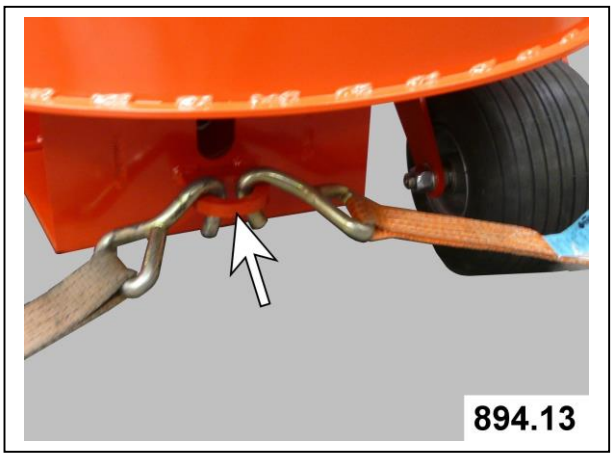
CAUTION DANGER:

Please note the removal instructions in Chapter 5.2.
- DANGER OF TOPPLING !

Tighten tie-down straps evenly, alternating diagonally across.

- Hooking points for straps on the front of the Mega Twister

- Hooking points for straps on the rear of the Mega Twister



3.3. Transportation with three-point hitch

Raise the attached equipment with the tractor rear hydraulic system and secure against inadvertent lowering.

When driving on public roads, please observe the swivel range of the attached Mega Twister.

4.0. Mounting

4.1. General Information

WARNING:

Mount the machine only with the engine shut off and the PTO switched off. The signboards applied on the machine show important warnings and directions for safe operations.
Observe these signs for your safety.

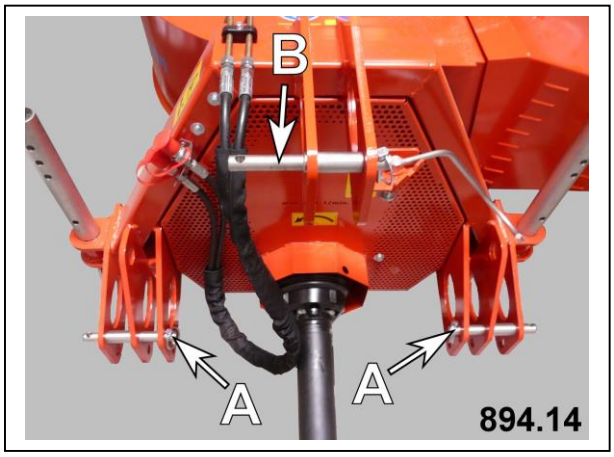
Check the engine speed and sense of rotation (stickers on the machine) against the specifications of your tractor. The stickers specify, to which engine speed and sense of rotation the machine has been set.

4.2. Tractor attachments

As a standard, the blower can be mounted on a three-point linkage cat. 1.

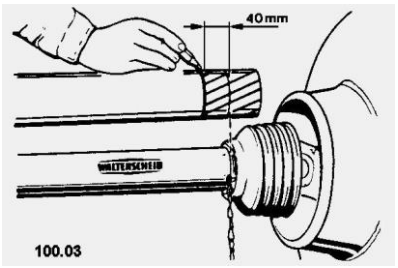
1. Attach bottom connecting rod to both pins (A) and secure.
2. Attach top connecting rod with pin (B) to the bore matching the tractor type and secure.
3. The adjustment is made with the top connecting rod.

   NOTE
   During mounting take care that the blower stands parallel to the soil.
4. Connect hydraulic lines to tractor.
5. Fit universal drive shaft in accordance with the manufacturer's specifications.

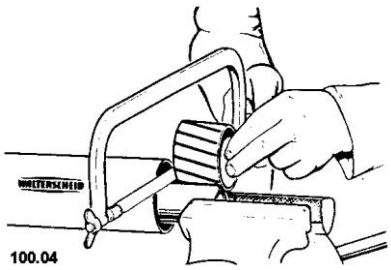


4.3. Drive shaft adjustment

To adjust the length, hold the half shafts next to each other in the shortest working position and mark them.

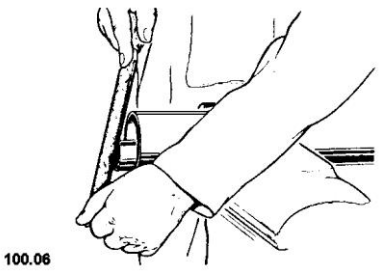


Shorten inner and outer protective tubes equally.



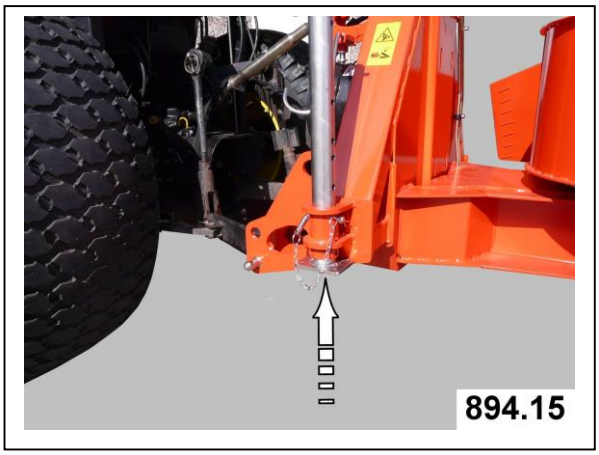
Shorten inner and outer sliding profiles by the same length as the protective tubes.

Round off all sharp edges and remove burrs. Grease sliding profiles.



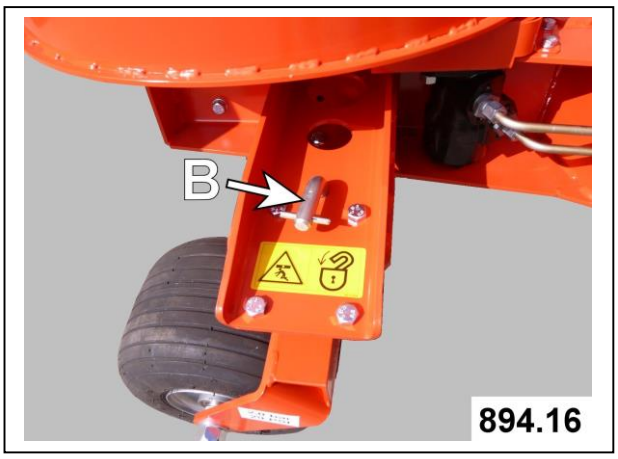
4.4. Supports

Insert the two legs in the uppermost position and secure them with the spring clip.



4.5. Unscrewing the running gear safety device

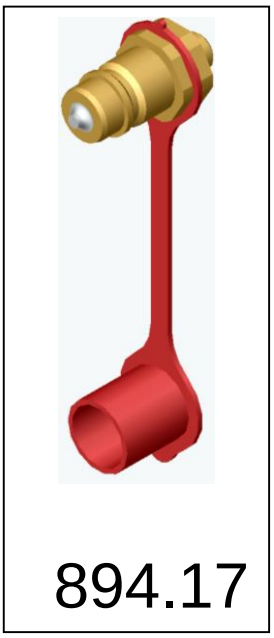
Pull the locating pin (B) upwards out of the wheel yoke hole. For locking, pivot the locating pin (B) to the right in the raised position.



4.6. Hydraulic connections

For hydraulic swiveling of the blow-out nozzle an independently switchable, double-acting hydraulic valve is necessary. The hydraulic hoses of the swivel mechanism are equipped with connectors of size 3. Before coupling, the connectors and sockets have to be cleaned thoroughly in order to prevent impurities from getting into the hydraulic circuit. The hoses have to be laid in such a way, that no shear and abrasion spots can occur. If necessary, the hoses have to be fixed at the appropriate places.

When the blower is dismounted, the hydraulic connectors should be protected from damages and soiling by attaching the dust guard caps.



5.0. Demounting

5.1. General Information

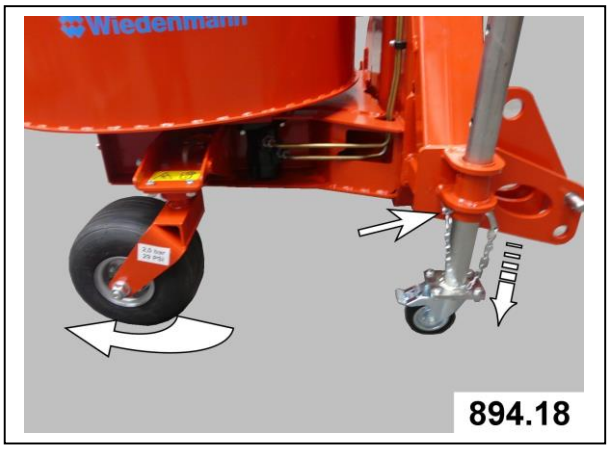
ATTENTION :

Mount the machine only with the engine shut off and the PTO switched off.

Set the Mega Twister down only on firm, unyielding and flat ground.

5.2. Removal from tractor

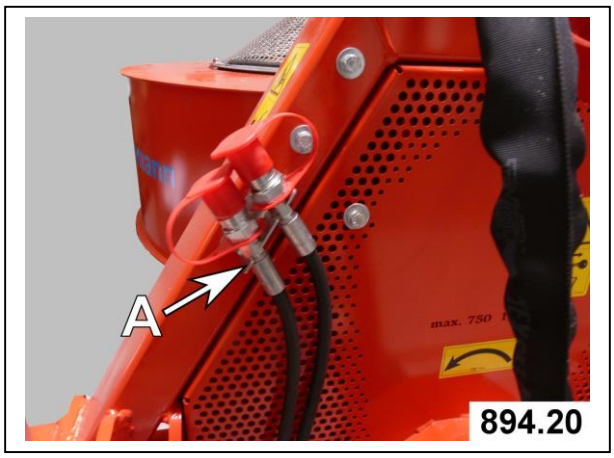
- Lifting out Mega Twister.
- As shown in image 891.18, insert both support legs into the appropriate hole and secure with the spring clip.
- Please refer to section 5.2 when the chassis is attached.
  - DANGER OF TILTING!



- Lower the Mega Twister.
- Releasing cardan shaft from tractor (see section 5.4).
- Disconnect the hydraulic lines from the tractor.
- Relieve top connecting rod and release from Mega Twister.
- Release bottom connecting rod
- Attach pin to Mega Twister and secure with linch pin.

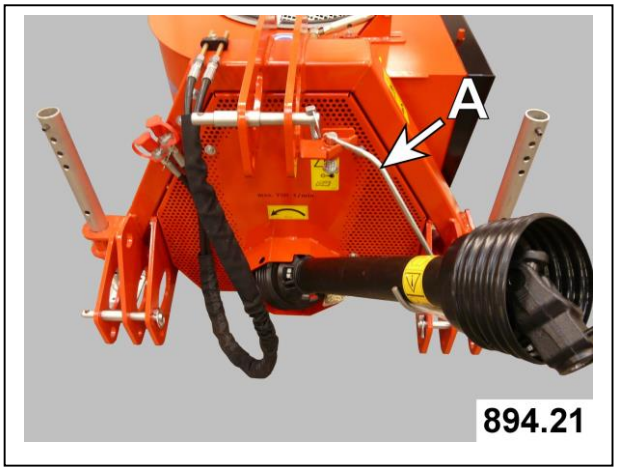
5.3. Stowing the hydraulic lines

- Hook the hydraulic lines into the holder (A).



5.4. Removing the universal drive shaft

- Pull the bracket (A) upwards and pivot it forwards by approx. 45° to the nearest engaging point.
- Place the universal drive shaft into the pivot-mounted bracket for storage (see image).

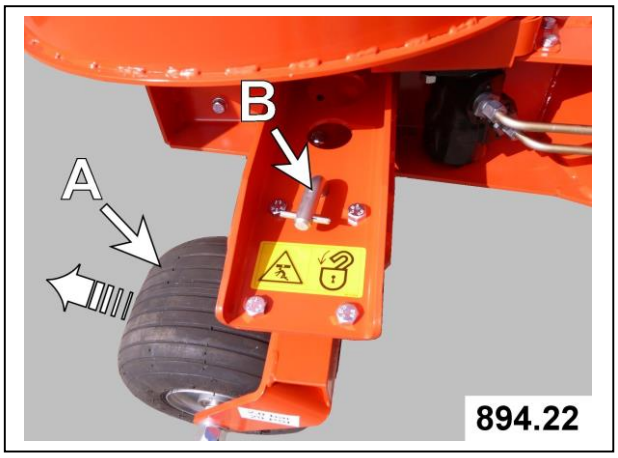


5.5. Securing the chassis

Pivot both running wheels (A) backwards.

Raise the locating pin (B) slightly and pivot it to the left.

The locating pin (B) must lock into the wheel yoke hole.

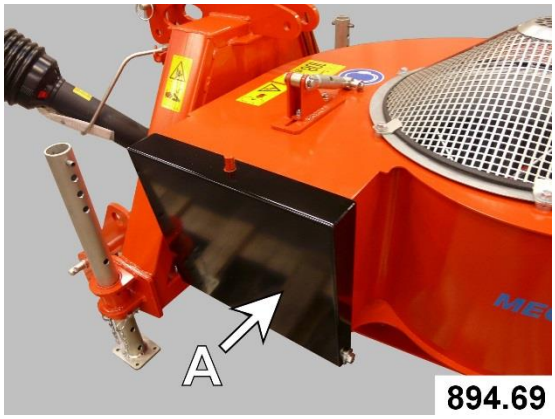


6.0. Operating

6.1. General Information

CAUTION DANGER!

Protective covering (A) must be replaced by the blowout nozzle included in the delivery before the initial start-up (see section 2.7.).



ATTENTION !

It is important to become familiar with all devices and operating elements as well as their action before starting service to make sure that all protective devices have been properly mounted. It will be too late for this during operation!

Make sure that noone is in the risk area of the appliance and the turning PTO shaft before turning on the power take-off shaft.

Direct everyone out of the danger zone before starting.

Observing the operating instructions, also pay attention to general safety specifications and rules for prevention of accidents!

Corresponding specifications must be observed on public roads!

The weight on the axle in front must be enough to maintain steerability (if needed, put on ballast weights, see operator's manual of tractor).

Be careful working on slopes
– RISK OF OVERTURNING! -

6.2. Direction of rotation and number of revolutions of the drive

The machine is designed for a **maximum speed of the power take-off shaft of 750 rpm.**

ATTENTION!

We strongly advise you against using another speed of the power take-off shaft other
than 750 rpm

Exceeding the speed of the power take-off shaft for more than 5% (approx. 790 rpm) causes extensive damages on the blowing wheel of the blower. There is the danger of personal injury or material damages due to parts flying around.
Pay attention to the correct direction of rotation of the power take-off shaft and of the blowing wheel at initial use.

6.3. Upper guide position for working

Park the tractor with Mega Twister on an even surface.

Using the tractor rear hydraulic system, lower the accessory equipment onto the ground.

Care must be taken to ensure that the blower is positioned parallel to the contact surface.

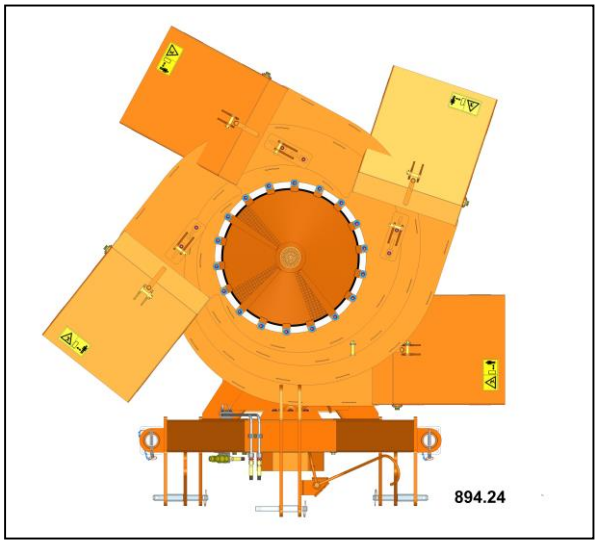
This setting allows the Whisper Twister to adapt to ground irregularities.

6.4. Swiveling the blower casing

using the hydraulic motor

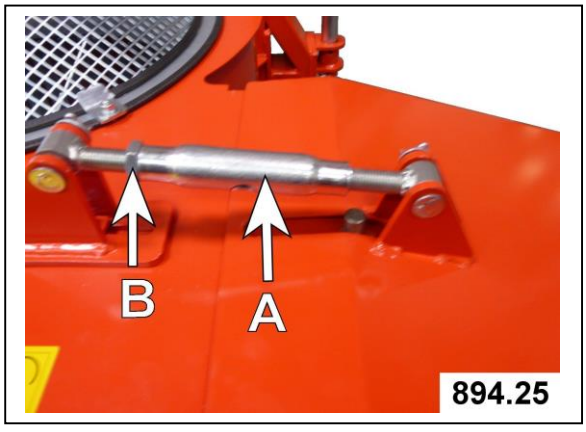
By activating the double-acting hydraulic valve the blower casing with blow-out funnel is swiveled from the left to the right side and back again. Depending on the hydraulic capacity of the tractor, swiveling the blower casing is started by a careful activation of the control valve.

With some modern tractors, also the volumetric displacement of the oil can be set in order to swivel constantly and smoothly.



6.5. Setting the blow-out nozzle

Adjusting the blowing nozzle by means of the adjusting bar (A) allows you to change the blowing width and intensity of the air flow.
The more vertical the air flow is when it meets the ground, the more intensive the blowing effect. However, there is an increased likelihood of air whirls.
If the blowing nozzle is a flat position, an almost homogeneous, long-carrying air flow is produced.
Secure the setting with nut (B).



7.0. Operation

7.1. General Information

ATTENTION :

The user of Megar Twister is responsible for persons inside the working area. Never operate the Whisper Twister without its safety devices.

If you do operate the Mega Twister without safety devices, you expose yourself and others to extreme danger.

Always check the immediate surroundings when starting to drive (be careful of CHILDREN!).

Direct everyone out of the danger zone before starting.

Switch off the drives immediately if there are people in the danger zone.

In order to avoid injury to persons or damage to equipment, care must be taken when using the blow-out nozzle on stony surfaces (e.g. rubble and grit) to leave sufficient free space for any flying debris.

The power take-off shaft:

- **never switch on when the motor is switched off**
- **always switch off when it is not required,**
- **always switch off before you lift up the Mega Twister**

7.2. Switching on

The blower may not be switched on under full motor speed.

Notice!
When switching on the power take-off shaft, reduce the motor speed on idling mixture to half and couple-in carefully. Finally increase the motor speed to the desired speed (**max. 750 rpm**).

7.3. Blower wheel

If you identify wheel imbalance, you must immediately shut down the machine.
You must remove and balance the blower wheel.

7.4. Danger zone

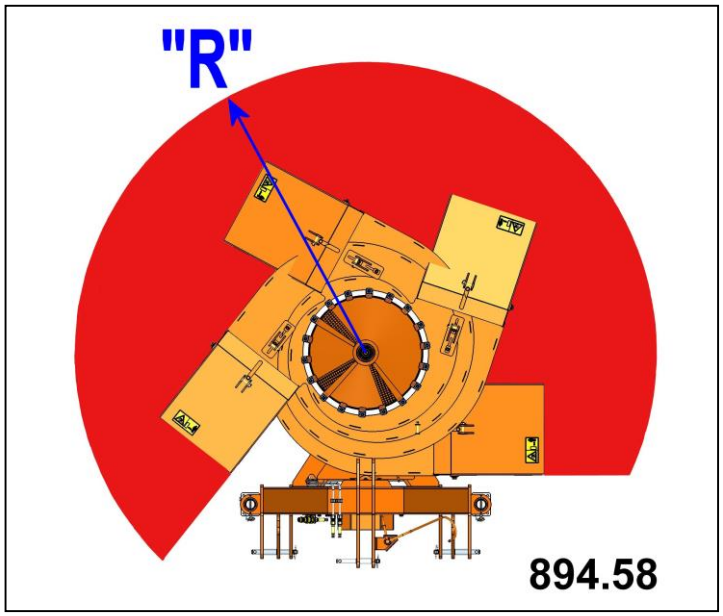
CAUTION!

Switch off the drives immediately if there are people in the danger zone.

During operation, you must ensure there is sufficient free space for any flying debris:

Clearance "R" approx 50 m

In order to avoid injury to persons or damage to equipment.



7.5. WORK / TRANSPORT

Lower the leaf blower for operation.
During operation, the rear hydraulic system must be in floating position. This is to allow the leaf blower to adapt to ground irregularities.
During operation, the rear hydraulic system must be in floating position. This is to allow the leaf blower to adapt to ground irregularities.

8.0. Maintenance

8.1. General Information

ATTENTION!

- **For all work, the device must be hitched to the tractor.**
  - RISK OF INJURY !
- **Only qualified personnel are permitted to perform maintenance, repair and disassembly tasks.**
- Repair, maintenance and cleaning work as well as the elimination of malfunctions should principally be done only with the drive switched off and the engine shut off. Withdraw ignition key .
- The centrifugal mass may cause the blower to run on. Do not move too near to the machine during this time. Work can only be continued when the device is at a standstill.
- Machine maintenance involves not only lubrication but also cleaning. After completion of work, the machine should be washed and thoroughly checked over.
- Use **only original parts.** Third-party parts often do not match the required quality and thus endanger your safety. Moreover, the sustained warranty and recognition of justified warranty claims can only be guaranteed, if you exclusively use **original parts from Wiedenmann.** We expressly point out to you that non-original parts that have not been delivered by Wiedenmann also have not been approved and released by Wiedenmann. The installation and/or use of such products may actually have a negative impact on the constructional properties of your vehicle and thus may affect the active and/or passive safety. Damages arising from the use of non-original parts are excluded from the scope of the manufacturer's liability.
- Welding work on load-bearing parts must be carried out in accordance with recognised welding-technology methods.
- Upon completion of maintenance work, reinstall all protective devices.

8.0. Maintenance

8.2. Intervals of maintenance

Maintenance interval	Area	Maintenance measure
Daily	Blower	CLEAN Clean the machine after finishing work in order to ensure a proper operation during the next application.
	Hydraulic system	Rotating assembly

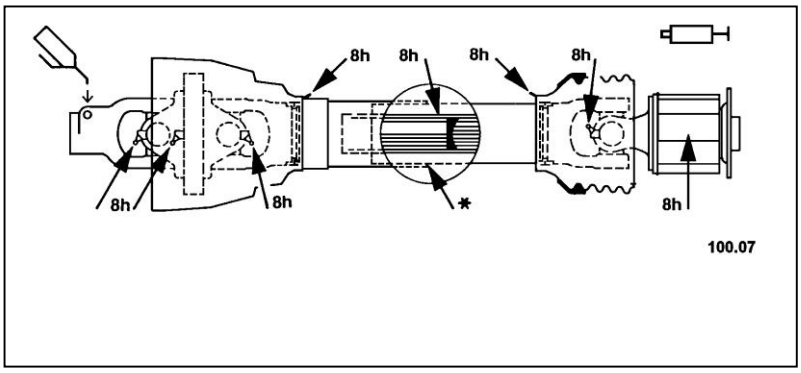
Maintenance interval	Area	Maintenance measure
Weekly	Cardan shaft	LUBRICATE – see manufacturer's instructions – see chapter 8.3.1.
	Rotating assembly	LUBRICATE see chapter 8.3.2.
	Moving parts	Lubricate with spraying oil
	Hydraulic system	CHECK OIL-LEVEL - see manufacturer's manual for tractor
	V-belt	CHECK – see chapter 8.8.
	Chassis	control tire pressure see chapter 8.9.

Maintenance interval	Area	Maintenance measure
Annually or whenever required	Gear	To renew gear oil, see section 8.4.
	Leaf blower	The leaf blower must be CLEANED thoroughly at the end of the season and PRESERVED with a spraying oil. Carry out the annual inspection before the start of the new season.

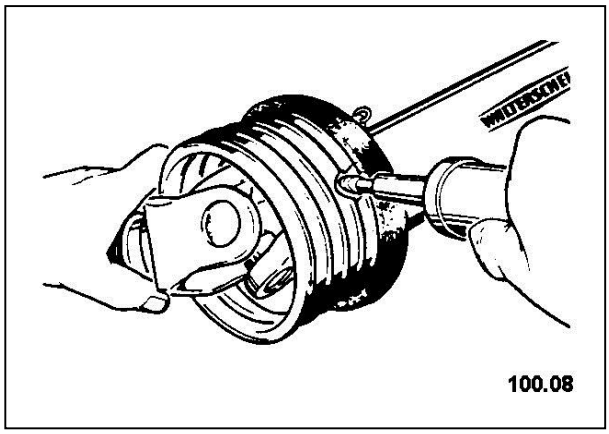
8.0. Maintenance

8.3. Lubricating points

8.3.1. Cardan shaft

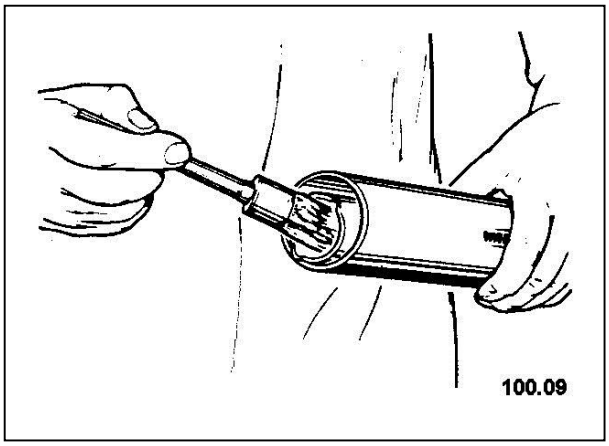


- Grease inside the exterior sliding profile.



- Before a longer stop periood clean and lubricate the drive shaf.

- In case of dirt accumulation clean the profile and protection pipes.



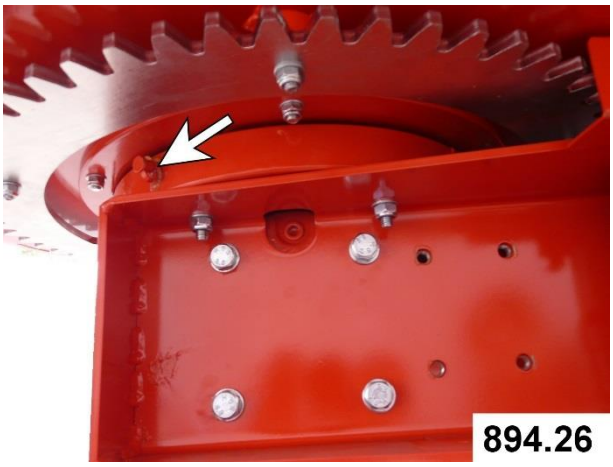
8.3. Lubricating points

ATTENTION

For this work, raise the attached device using the rear hydraulics until the support legs can be inserted into one of the uppermost holes.

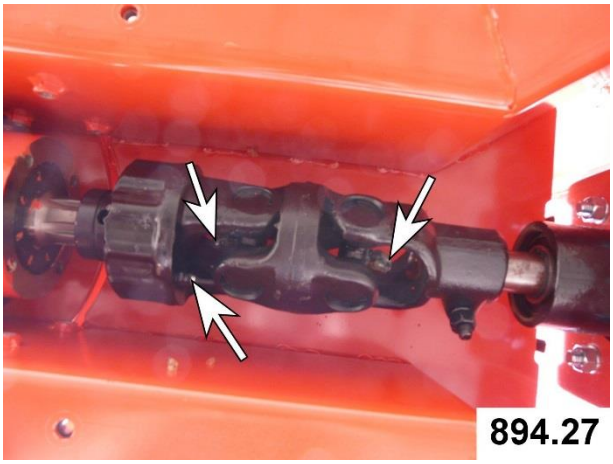
8.3.2. Rotating assembly

There are two grease nipples on the rotating assembly positioned opposite to each other.



8.3.3. Double universal joint with free wheel

To reach the three grease nipples, the lower protective cover must be removed.



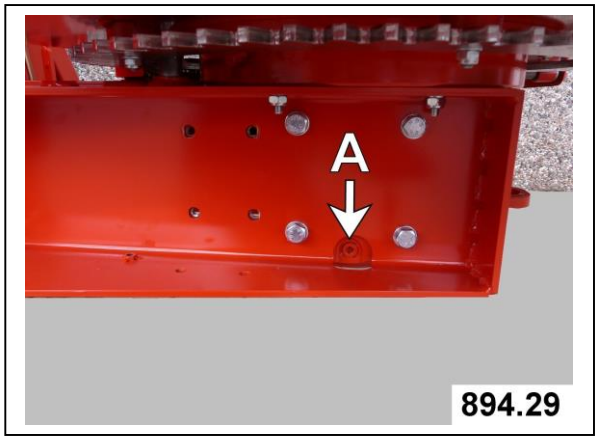
8.3.4. Support wheels

8.4. Changing the gear oil

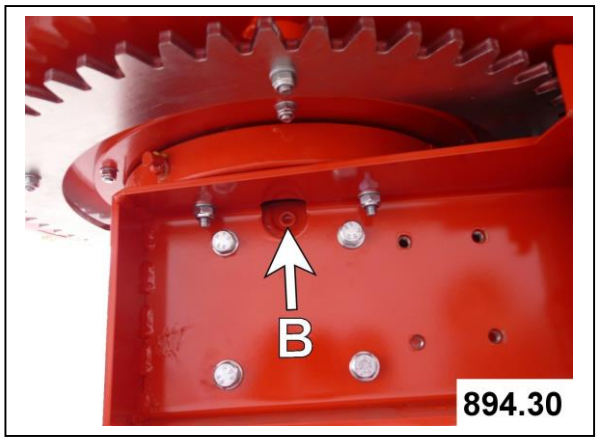
ATTENTION:

Leaking fluids can penetrate the skin and cause serious injury.

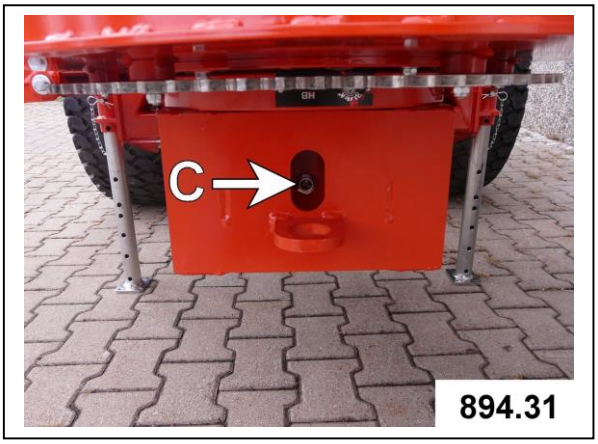
- Place a collecting tray underneath the gearbox.
- Remove the drain screw (A)



- Remove the exhaust filter(E).



- Catch the oil draining out in a suitable vessel.
- Screw the drain screw in again.
- Fill the oil up to the lower edge of the oil-level glass (C) in the working position.
- Dispose of old oil and empty packaging in an environmentally responsible way.



8.5. Cleaning

The main point to be cleaned is the air intake grid.

When using compressed air or high-pressure cleaners be careful that no water, dirt or other impurities can penetrate the gear or the bearing.

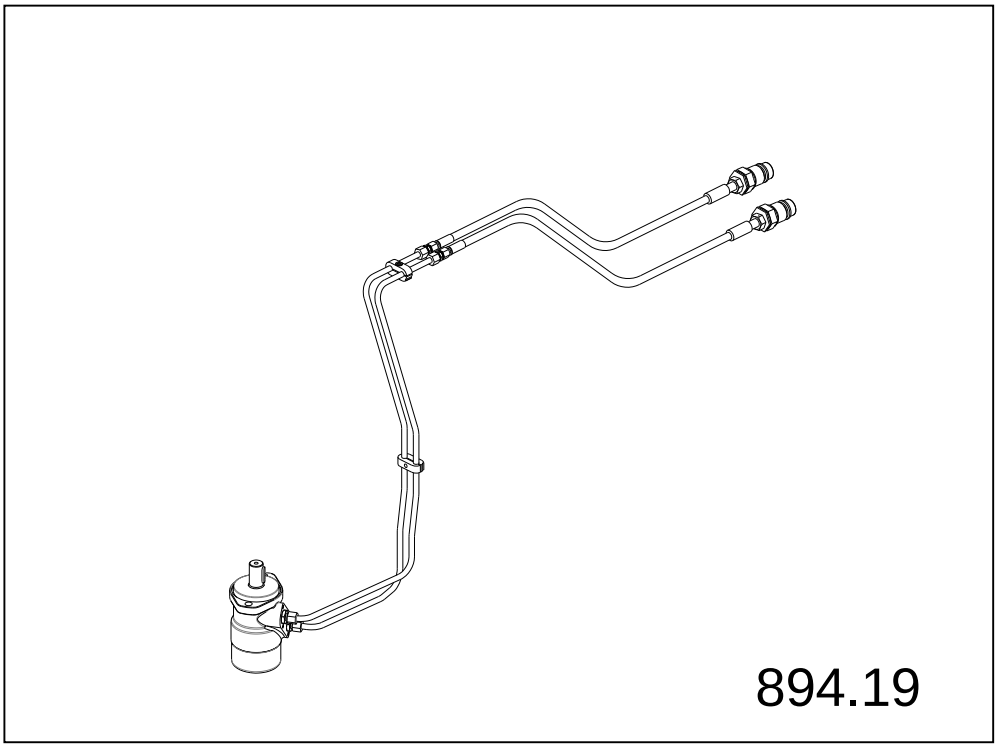
8.6. Hydraulic installation

ATTENTION!
Leaking fluid under pressure can penetrate the skin causing serious injury.

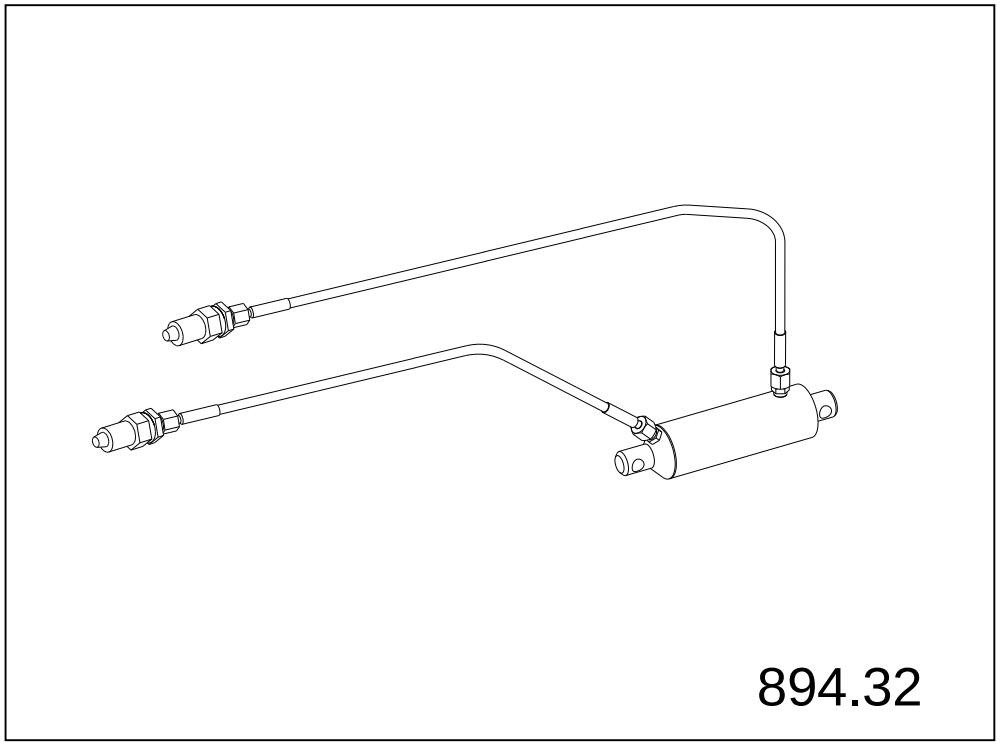
- Check the hydraulic lines in regular intervals for damages and aging and exchange them if necessary.
- Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines.
  Tighten all connections before applying pressure.
- Search for leaks with a piece of cardboard.
  Protect hands and body from high pressure fluids.
- If an accident occurs, see a doctor immediately. Any fluid absorbed into the skin must be surgically removed within a few hours or gangrene may result. Doctors unfamiliar with this type of injury should reference a knowledgeable medical source.

8.7. Hydraulic connection diagram

8.7.1. Pivoting the blower housing

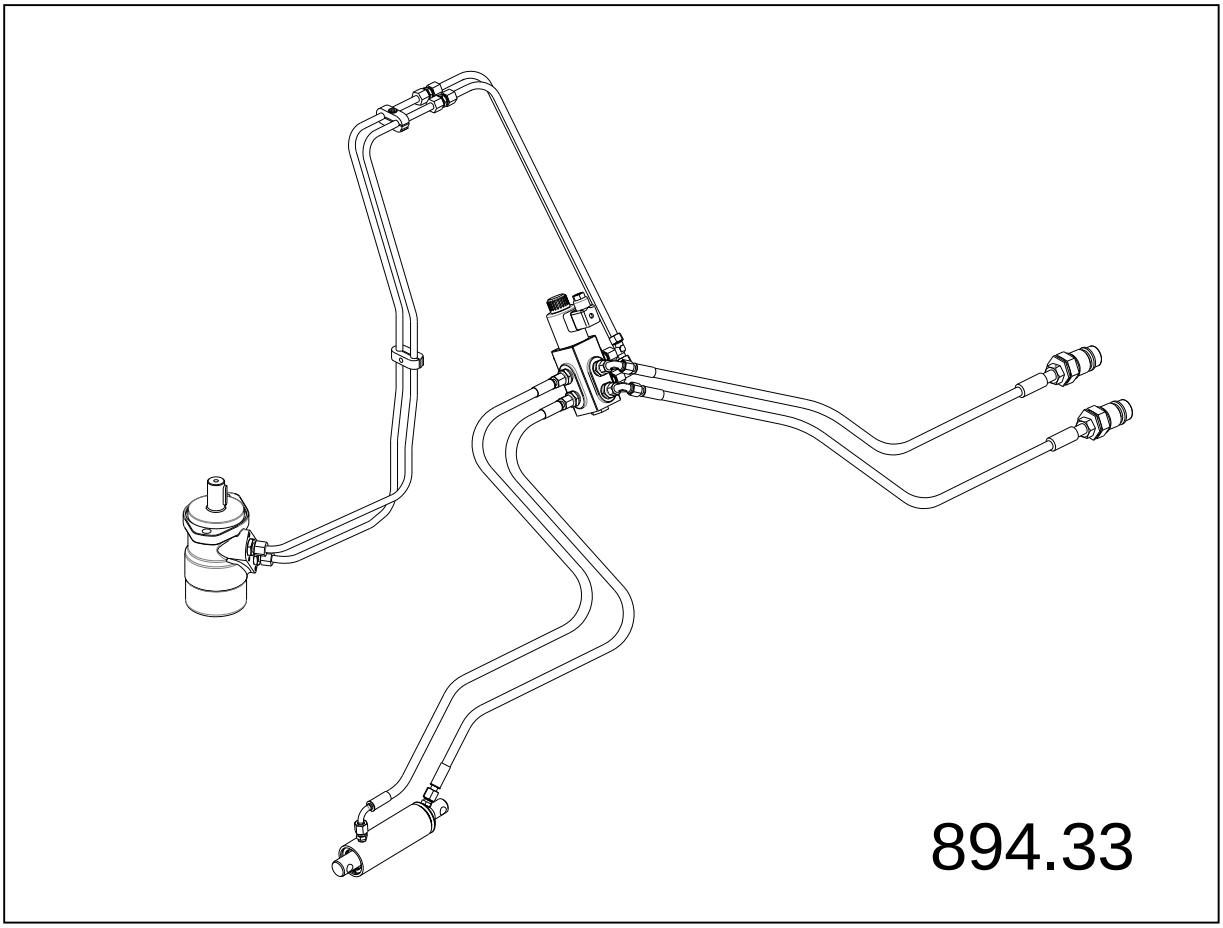


8.7.2. Hydraulically adjusting the blow-out nozzle



8.7. Hydraulic connection diagram

8.7.3. Hydraulically adjusting the blow-out nozzle using a control block



8.8. Tire pressure

The tire pressure depends on the soil conditions.

- **Paved ways and areas, good bearing turf or soil**
  Tire pressure maximum 2,0 bar.

- **The tire pressure depends on the soil conditions.**
  Tire pressure minimum 0,5 – 1,0 bar. Due to the low tire pressure, the contact surface of the tire can be enlarged and lanes can therefore be reduced or even avoided.

Notice!

The load capacity is reduced. Drive slowly and lift somewhat the blower at obstacles such as curbstone edges or rootstocks. Otherwise the tire could be damaged.

8.9. Disassembly / Disposal

CAUTION!

Proceed with caution when disassembling the Mega Twister. Please refer to the chapter "Safety measures" and local safety regulations.

Main areas of danger are:

- **residual pressure in lines and components,**
- **heavy parts that could fall after disassembly,**
- **sharp edges,**
- **crushing if machine topples.**

Disassembly for disposal

1. Place Mega Twister on firm ground.
2. Drain hydraulic oil.
3. Disassemble Mega Twister, working from top to bottom.

IMPORTANT:

Specifications and laws concerning the disposal of hazardous substances and pollutants must be observed in all cases. Familiarize yourself completely with the procedure for disposal.

8.0. Maintenance

8.10. Unauthorized conversion and spare part manufacture.

Conversions of or modifications to the Mega Twister are permissible only after consultation with the manufacturer !

The use of original parts and accessories authorized by the manufacturer is in the interest of safety. The use of other parts can change the properties of the Mega Twister. In this case, the manufacturer is exonerated from liability in the event of damage.

9.0. Equipment

9.1. Scope of Delivery

- Leaf blower
  Mega Twister model no. 894
  front mounted in 3-point
  linkage cat. I
  for front PTO stub shaft with
  anticlockwise rotation

  or

  leaf blower
  Mega Twister model no. 895
  front mounted in 3-point
  linkage cat. I
  for front PTO stub shaft with
  clockwise rotation
- Hydraulic adjustment for 230°
- Roller unit

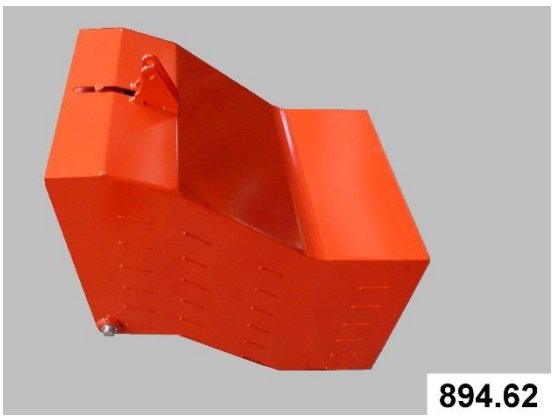
  or

  chassis with pneumatic tyres
  including fixed rollers for the
  support legs
- Blowout nozzle

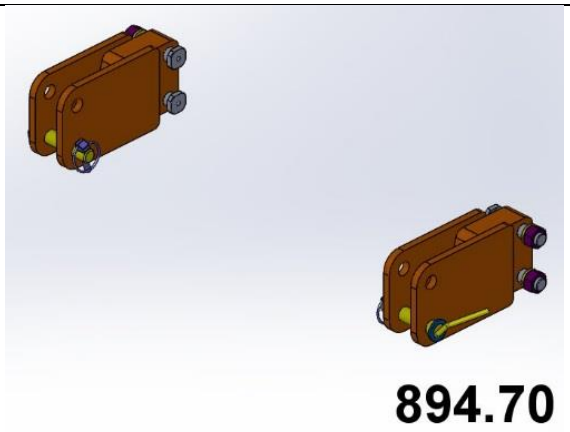
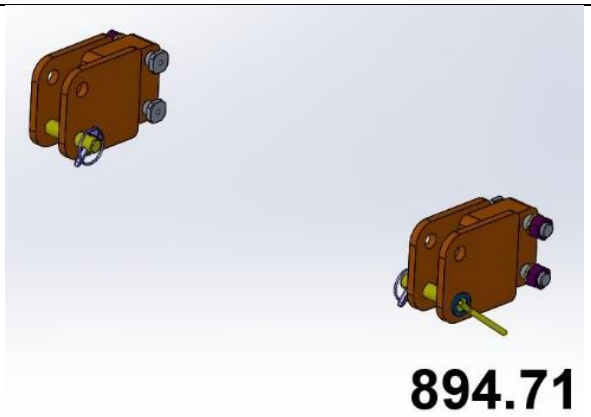
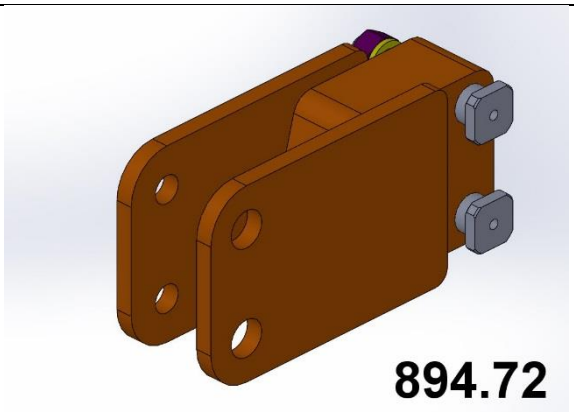
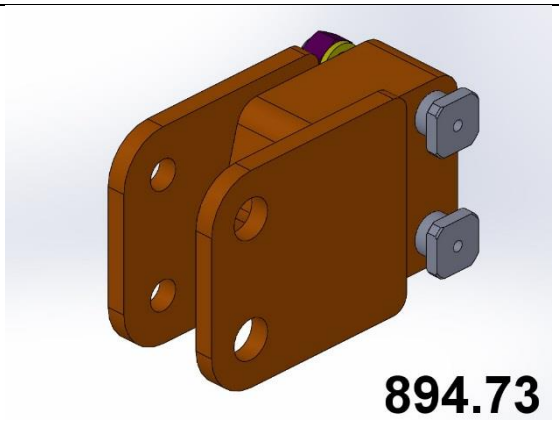
  or

  near-ground blowout nozzle
  (see special equipment)
- Mechanical adjustment of the
  blowing nozzle
- Cardan shaft (must be adapted
  to the respective carrier
  vehicle, see the Chapter
  "Adapting the cardan shaft")
- Operating instructions,
  transfer declaration with
  guarantee card.

9.2. Special equipment

hydraulic adjustment of the blow-out nozzle	 894.59
Hydraulic control block for tractors with only two hydraulic connections.	 894.60
Electric adjustment of the blow-out nozzle	 894.61
Blow-out nozzle close to the ground	 894.62

9.2. Special equipment

Lower guide bar extension 200 mm	
Lower guide bar extension 150 mm	
Upper guide bar extension 200 mm	
Upper guide bar extension 150 mm	

10.0. Specification

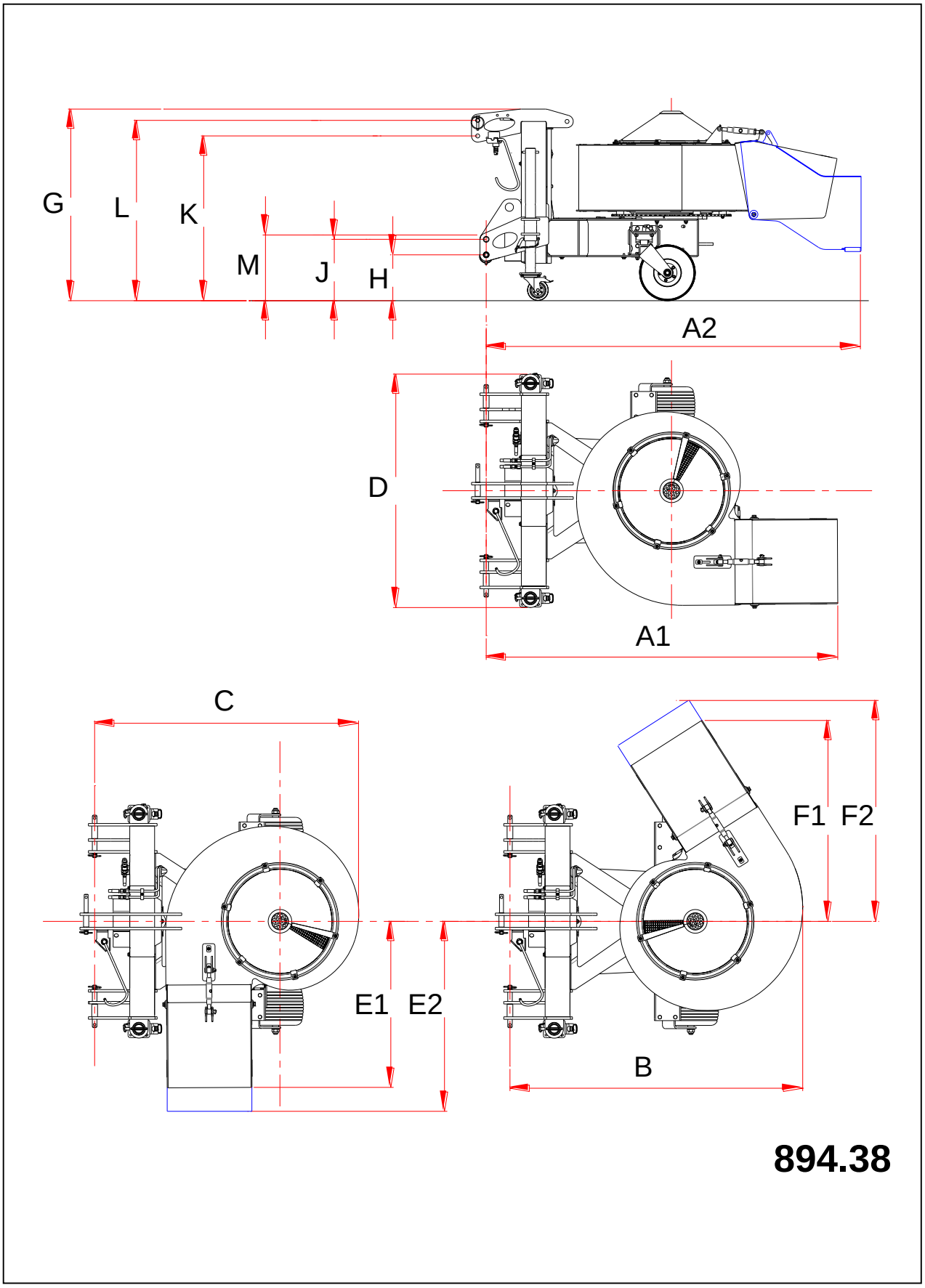
10.1.1. Dimensions, weights and other information

- with chassis

A1	Length with blowing direction to rear (with standard blowout nozzle)	1730	mm
A2	Length with blowing direction to rear (with near-ground blowout nozzle)	1850	mm
B	Length for lateral blowing direction - right	1415	mm
C	Length with lateral blowing direction - left	1276	mm
D	Width with blowing direction to rear	1127	mm
E1	Width with lateral blowing direction - left (with standard blowout nozzle)	802	mm
E2	Width with lateral blowing direction - left (with near-ground blowout nozzle)	922	mm
F1	Width with lateral blowing direction - right (with standard blowout nozzle)	910	mm
F2	Width with lateral blowing direction - right (with near-ground blowout nozzle)	985	mm
G	Height	925	mm
H	Height up to lower guide bar connection	220	mm
J	Height up to lower guide bar connection	295	mm
K	Height up to middle of upper guide bar connection	795	mm
L	Height up to middle of upper guide bar connection	870	mm
M	Height up to middle of drive shaft	296	mm
	Swiveling angle of blower casing	230	°
	Drive output	30	KW
	Max. drive speed, anticlockwise rotation, for model 894	750	rpm
	Max. drive speed, clockwise rotation, for model 895	750	rpm
	Max. allowed speed of the blowing wheel	840	rpm
	Blowing performance	390	m³/min
	Blowing speed	50	m/s
	Weights :		
	Mega Twister Neutral	266	kg
	Complete chassis	38	kg
	Hydraulics for adjusting the blow-out nozzle	3	kg
	Hydraulics for adjusting the blow-out nozzle using a control valve	6	kg
	Electric adjustment of the blow-out nozzle	3	kg
	Standard or near-ground blowout nozzle	24	kg
	Lower guide bar extension	20	kg
	Upper guide bar extension	12	kg
	Max. Weight	366	kg
	Sound pressure level LPA measured with a John Deere 4400 tractor	93	dB A
	Sound level LWA	108	dB A

10.1.1. Dimensions, weights and other information

- with chassis



10.0. Specification

10.1.2. Dimensions, weights and other information

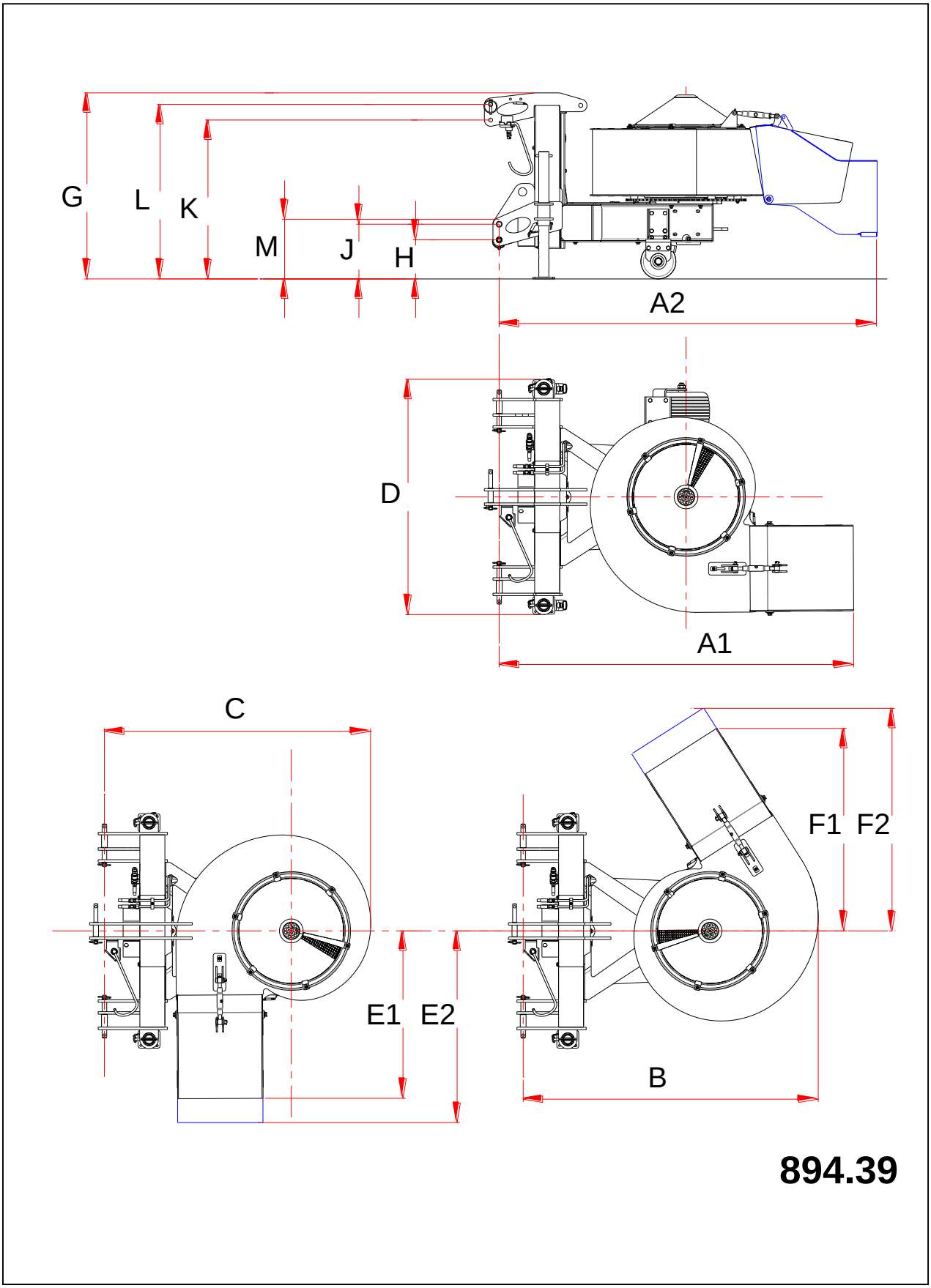
- with roller unit

A1	Length with blowing direction to rear (with standard blowout nozzle)	1730	mm
A2	Length with blowing direction to rear (with near-ground blowout nozzle)	1850	mm
B	Length for lateral blowing direction - right	1415	mm
C	Length with lateral blowing direction - left	1276	mm
D	Width with blowing direction to rear	1127	mm
E1	Width with lateral blowing direction - left (with standard blowout nozzle)	802	mm
E2	Width with lateral blowing direction - left (with near-ground blowout nozzle)	922	mm
F1	Width with lateral blowing direction - right (with standard blowout nozzle)	910	mm
F2	Width with lateral blowing direction - right (with near-ground blowout nozzle)	985	mm
G	Height	925	mm
H	Height up to lower guide bar connection	220	mm
J	Height up to lower guide bar connection	295	mm
K	Height up to middle of upper guide bar connection	795	mm
L	Height up to middle of upper guide bar connection	870	mm
M	Height up to middle of drive shaft	261	mm
	Swiveling angle of blower casing	230	°
	Drive output	30	KW
	Max. drive speed, anticlockwise rotation, for model 894	750	rpm
	Max. drive speed, clockwise rotation, for model 895	750	rpm
	Max. allowed speed of the blowing wheel	840	rpm
	Blowing performance	390	m³/min
	Blowing speed	50	m/s
	Weights :		
	Mega Twister Neutral	266	kg
	Complete roller unit	26	kg
	Hydraulics for adjusting the blow-out nozzle	3	kg
	Hydraulics for adjusting the blow-out nozzle using a control valve	6	kg
	Electric adjustment of the blow-out nozzle	3	kg
	Standard or near-ground blowout nozzle	24	kg
	Lower guide bar extension	20	kg
	Upper guide bar extension	12	kg
	Max. Weight	357	kg
	Sound pressure level LPA measured with a John Deere 4400 tractor	93	dB A
	Sound level LWA	108	dB A

10.0. Specification

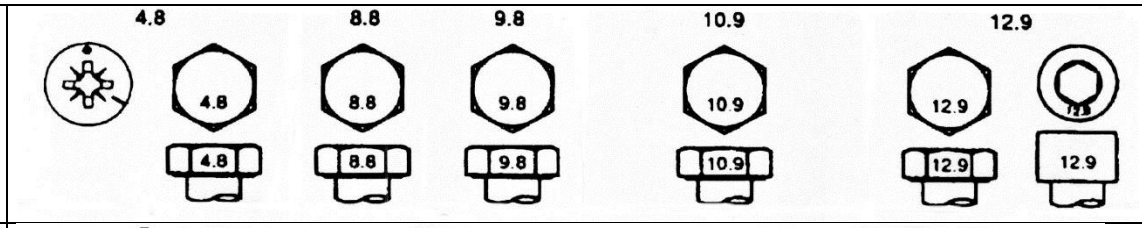
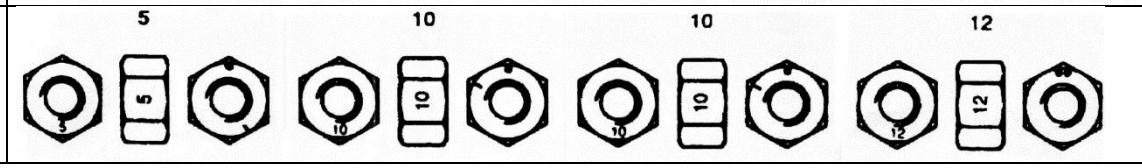
10.1.2. Dimensions, weights and other information

- with roller unit



10.0. Specification

10.2. Metric bolt and cap screw torque values

Property Class and Head Markings	
Property Class and Nut Markings	

Größe	class 4.8				class 8.8 or 9.8				class 10.9				class 12.9			
	Lubricated *		Dry **		Lubricated *		Dry **		Lubricated *		Dry **		Lubricated *		Dry **	
	N-m	lb-ft	N-m	lb-ft	N-m	lb-ft	N-m	lb-ft	N-m	lb-ft	N-m	lb-ft	N-m	lb-ft	N-m	lb-ft
M6	4,8	3,5	6	4,5	9	6,5	11	8,5	13	9,5	17	12	15	11,5	19	14,5
M8	12	8,5	15	11	22	16	28	20	32	24	40	30	37	28	47	35
M10	23	17	29	21	43	32	55	40	63	47	80	60	75	55	95	70
M12	40	29	50	37	75	55	95	70	110	80	140	105	130	95	165	120
M14	63	47	80	60	120	88	150	110	175	130	225	165	205	150	260	190
M16	100	73	125	92	190	140	240	175	275	200	350	255	320	240	400	300
M18	135	100	175	125	260	195	330	250	375	275	475	350	440	325	560	410
M20	190	140	240	180	375	275	475	350	530	400	675	500	625	460	800	580
M22	260	190	330	250	510	375	650	475	725	540	925	675	850	625	1075	800
M24	330	250	425	310	650	475	825	600	925	675	1150	850	1075	800	1350	1000
M27	490	360	625	450	950	700	1200	875	1350	1000	1700	1250	1600	1150	2000	1500
M30	675	490	850	625	1300	950	1650	1200	1850	1350	2300	1700	2150	1600	2700	2000
M33	900	675	1150	850	1750	1300	2200	1650	2500	1850	3150	2350	2900	2150	3700	2750
M36	1150	850	1450	1075	2250	1650	2850	2100	3200	2350	4050	3000	3750	2750	4750	3500

DO NOT use these values if a different torque value or tightening procedure is given for a specific application. Torque values listed are for general use only. Check tightness of fasteners periodically.

Shear bolts are designet to fail under predetermined loads. Always replace shear bolt with identical property class

Fasteners should be replaced with the same or higher property class. If higher property class fasteners used, these should only be tightened to the strength of the original.

Make sure fasteners threads are clean and that you properly start thread engagement. This will prevent therm from failing when tightening.

Tighten plastic insert or crimped steel-type lock nuts to approximately 50 percent of the dry torque shown in the chart, applied to the nut, not to the bolt head. Tighten toothed or serrated-type lock nuts to the full torque value.

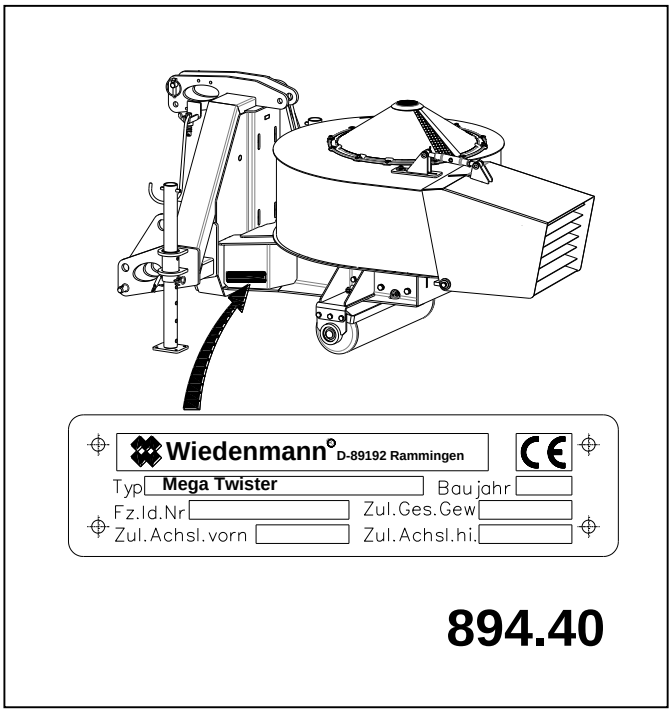
* “Lubricated“ means coated with a lubricant such as engine oil, or fasteners with phossphate and oil coatings.

** “Dry“ means plain or zinc platend without any lubrication.

10.0. Specification

10.3. Serial number

Record product identification no. (serial no.) in the space provided below. Always quote this number when ordering spare parts or making warranty claims.



Prod. Ident. No. : _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _