

IRON BALTIC

SWEEPER COLLECTOR

DOWNLOAD MULTILINGUAL
USER MANUAL



code.ironbaltic.com/u/odJLaecu

Code 78.0000

Version 13032025



Keep this manual for future reference!

If you need any spare parts, please send this packaging data to your local dealer or to Iron Baltic
sales@ironbaltic.com

Iron Baltic Ltd | +372 653 3711 | sales@ironbaltic.com | www.ironbaltic.com

CONTENTS

EC DECLARATION OF CONFORMITY	4
INTRODUCTION.....	5
SAFETY PRECAUTIONS	6
PROHIBITED ACTIONS.....	6
MANDATORY ACTIONS.....	7
SAFETY LABELS.....	8
PRODUCT DESCRIPTION	10
OPERATOR INSTRUCTIONS	11
PREPARATION.....	11
OPERATOR INSTRUCTIONS	12
OPERATION	12
BRUSH HEIGHT ADJUSTMENT	13
RAKE HEIGHT ADJUSTMENT	13
EMPTYING COLLECTOR BIN.....	14
MAINTENANCE	15
MAINTENANCE SCHEDULE.....	15
ENGINE MAINTENANCE.....	15
TYRE PRESSURE	16
BRUSH WEAR RATE.....	16
LUBRICATION	16
BELT REPLACEMENT.....	17
REPLACEMENT OF BRUSHES	18
STORAGE.....	19
INITIAL ASSEMBLY	20
SPARE PARTS LIST	23
LEFT WHEEL FRAME	32
RIGHT WHEEL FRAME	33
BELT TENSIONER ASSEMBLY	34
BELT COVER SET.....	34
RAKE ASSEMBLY	35

Iron Baltic OÜ

IRON BALTIC

EC DECLARATION OF CONFORMITY

Manufactured by: Iron Baltic OÜ
Address: Joa tee 17, Vääna 76903
Product: **Sweeper Collector**
Type: **6,5 hp**
Model: **78.0000**

Hereby we confirm that this product is in conformity with the requirements of Directive **2006/42/EC**, applicable to the safety and functionality of machinery, regarding the replaceable equipment and it is in compliance with the standard **EN12100** Safety of machinery – General principles for design – Risk assessment and risk reduction.

In witness whereof CE marking is attached to the product.

Place and date of issue of the declaration: 01.09.2019



.....
Tiit Norak
Member of the Board

Iron Baltic OÜ
Joa tee 17
Vääna 76903
Estonia

tel (+372) 6533711
info@ironbaltic.ee
www.ironbaltic.com

78.0000 Sweeper collector

INTRODUCTION

Thank you for choosing Iron Baltic product. This manual contains the technical details of the Sweeper Collector and instructions how to assemble, operate and maintain the product safely. Unnecessary use of the product can result economic damage and personal injury, so it is very important that the person who using the product read and use this manual in accordance with the requirements. Any misuse of the product will release the manufacturer from liability for any damage or expense incurred.

NOTE. The photos and illustrations contained in the manual do not necessarily represent actual models or accessories; they are provided only for reference and based on the latest product information available at the time of publication.



This symbol is used throughout the manual and on the warning labels for warning of possible severe injuries. Prior to using the sweeper collector, carefully read the safety instructions and make sure that you have understood them. Strictly follow all the instructions and require adherence to them from all persons using the machine!

Retain this manual for the future reference.

Refer to the product specification and check whether you have received all parts of the supply package.

SAFETY PRECAUTIONS

The majority of accidents result from carelessness or negligence. Avoid unwanted accidents and follow the safety instructions below.

WORDING EXPLANATION

In this manual, the words "right" and "left" designate the directions from the point of view of the driver/operator sitting on his seat and looking forward.

TRAINING

1. Read thoroughly the safety instructions and terms of use. Learn how to stop the machine and quickly disable the controls.
2. Never allow children to operate the vehicle or the sweeper collector. Never allow adult persons to operate the vehicle or the sweeper collector if they have not received the proper training.
3. Neither the vehicle nor the sweeper collector can be used while drunk or under the influence of drugs that affect perception or reaction.
4. Make sure that there are no people, especially small children, or animals in the work area.



PROHIBITED ACTIONS

- Never operate the sweeper collector without all the protective parts properly installed.
- Never adjust the engine settings without the manufacturer's approval.
- Never touch any moving or rotating part when operating the sweeper collector.
- Never attempt any adjustment actions in the time when the engine is in operation (unless explicitly instructed to do so by the manufacturer).
- Never stop the engine immediately after its long continuous operation.
- Never operate the sweeper collector without the required protective clothing, ear protectors and safety goggles.
- Never carry any passenger on the sweeper collector.
- Never leave the operating sweeper collector unattended.
- Never fill the fuel tank of the machine if the engine is in operation or hot.
- Never fill the fuel tank indoors.
- Never allow the engine to operate indoors – the exhaust gas contains carbon monoxide, which is life-threatening if inhaled.
- Never operate the sweeper collector on overly steep slopes.
- Never operate the sweeper collector without all safety devices installed and properly used.
- Do not operate the sweeper collector before you have carefully read the whole operation manual.
- Never work wearing loose clothing – it can get trapped between the moving parts of the machine.
- Never attempt to remove obstacles when the engine is running. Always make sure that the engine has stopped and the working shaft has stopped rotating before you start cleaning the sweeper collector.
- Never operate the sweeper collector in the dark, unless you use artificial lighting.
- Never operate the sweeper collector in the presence of excessive vibration – stop the sweeper collector immediately and determine the cause of the trouble.
- Never climb on the sweeper collector.
- Never modify any accessory or any part without the written approval of the manufacturer.

MANDATORY ACTIONS

- Comply with the user manual of the engine.
- Make sure that all bystanders are at a safe distance (at least 12 m) during operation of the sweeper collector.
- Maintain the sweeper collector regularly and check the machine every time before you start operating it.
- Clear the operation area from possible dangerous objects.
- Reduce the speed of the ATV when working on a hillside or uneven terrain.
- Keep in mind that the components of the sweeper collector may be very hot after work.
- Follow all the instructions of the ATV manufacturer.
- Be careful when refuelling the sweeper collector, especially if the engine components are hot.
- Handle the fuel with great care because it is highly flammable.
- Use only the fuel tank provided for that purpose.
- If the fuel gets on your clothes, immediately change them.
- Always use the individual protective gear required for each kind of equipment (goggles, ear protectors, protective clothing).
- Always check that all components are properly installed
- Check that the safety labels are in good condition and replace the damaged labels with new ones, if necessary.
- Keep your hands and feet away from the rotating parts.
- Before transporting the sweeper collector, check that it is in the transport position.



IF SOMETHING HAPPENS DURING THE WORK THAT COULD DAMAGE THE PRODUCT, AN INSPECTION OF THE DEVICE MUST BE CARRIED OUT TO IDENTIFY POSSIBLE DAMAGE. DAMAGE (CRACKS IN CONSTRUCTION OR WELDS, DEFORMED PARTS) CAN ENDANGER PROPERTY AND HUMAN HEALTH. THE DEVICE MUST NOT BE USED BEFORE THE DAMAGE IS REMOVED.

SAFETY LABELS

The safety labels shall be present on your sweeper collector. If any of those labels is absent on the sweeper collector or gets damaged, contact your dealer in order to install new labels in place of the absent ones before operating the machine.

Meaning of safety labels



Read the instructions in the instruction manual about wearing protective clothing, protective gloves, safety goggles, ear protectors, protective footwear and mask.



Prior to installation or operation, read the instruction manual and make sure you have fully understood the information.



Never attempt to perform any adjustment, repair, cleaning or maintenance operations with the engine running. After finishing the work, stop the engine, set the gear to neutral, activate the parking brake and remove the ignition key.



Danger zone! Danger of collision! To ensure safety, consider the overall dimensions of the machine, its working envelope and travel speed.



When the engine is running, keep your hands, feet and clothing away from the rotating parts!
Always make sure that no unauthorised person or obstacle is present in the operating zone!

Never attempt to remove any obstacle when the engine is running!
Always make sure that the engine has stopped and the working shaft has stopped rotating, before you start cleaning the sweeper collector.



Keep your hands, feet and clothing away from the rotating parts when the engine is running.

Never attempt to install or dismantle the drive belt or chain without reading the instruction manual first.



Keep your hands away from the moving parts when the engine is running.

Never attempt to remove any obstacle when the engine is running!
Always make sure that the engine has stopped and the working shaft has stopped rotating before you start cleaning the sweeper collector.



Danger zone! Always make sure that no person, object or obstacle is present in the operating zone. Stop the operations immediately when a danger arises! The danger zone is at least 12 m.



Caution, dangerously hot! Keep away from hot parts!

PRODUCT DESCRIPTION

Sweeper Collector is an easy-to-use paddock cleaner, the perfect tool to keep the paddocks free of horse droppings but also great to clean/collect the dead grass, leaves, woodchips or cut grass. Sweeper brushes/bristles have grooming effect on the grass surface, keeping the grass fresh and healthy looking.

Sweeper Collector is a tow behind tool that installs to an ATV, UTV or any other vehicle with 50mm (2") ball type hitch fitted, makes the cleaning of large areas like paddocks, parking lots or parks quick and easy.

The sweeper is powered by an efficient 6.5hp Vanguard engine and the rotary broom is fitted with durable OMNILINE polypropylene brushes/bristles, designed to operate in all different kind of cleaning conditions.

Large capacity roll-over hopper collects up to 0.75m³ of material (220kg max load) and is very easy to empty with the aid of the winch, after which the well-balanced hopper returns into a working position automatically itself.

Adjustable height spring tines rake helps to pre-loosen and spread the hardened/dry droppings etc before the collection by the brushes to ensure clean result after.

Working height of the brushes is manually adjustable by default but the electric-hydraulic working height adjuster is also available as an option, allowing comfortable adjustments when operating the tool without leaving the seat.

Sweeper/collector tool is an ideal product for private horse owners and small animal farms and zoos, equestrian centres, horse riding schools as well as the public area (parks, city streets, etc) maintenance and facility management companies.

Standard equipment:

- Sweeper collector
- Manually adjustable working height

Accessories:

- Working height adjustment via electric-hydraulic cylinder kit

Product	Sweeper collector
Code	78.0000
Engine	Briggs&Stratton Vanguard 6,5 hp
Working width	1200 mm
Capacity	0,75 m ³
Load capacity	220 kg
Dimensions	3400 mm x 1890 mm x 1120 mm
Weight	410 kg

OPERATOR INSTRUCTIONS

Note!

Prior to operating the sweeper collector, carefully read the instruction manual for the engine!



Note!

Prior to operating the sweeper collector, carefully read the instruction manual for the vehicle (ATV)!



PREPARATION

1. If you have just received the sweeper collector in the packing, follow the initial assembly instructions in Chapter INITIAL ASSEMBLY.
2. Carefully inspect the planned operation area and remove foreign objects etc.
3. Never use the tool without putting on the required outer garments. Avoid wearing loose clothes, which could get trapped between the moving parts. Wear footwear that reduces the risk of slipping.
4. Handle the fuel with care; it is extremely flammable.
 - a. Use the required fuel tank.
 - b. Never fill the fuel tank of the machine if the engine is in operation or hot.
 - c. Fill the tank outdoors, taking great care of safety. Never fill the fuel tank indoors.
 - d. Never fill any canisters in a vehicle or on a truck or trailer with plastic lining. Prior to refuelling, always put the canister on the ground away from the vehicle.
 - e. If possible, remove the machine with a petrol engine from the truck or trailer and refuel it on the ground. If that is not possible, refuel such a machine on the trailer from a portable canister, not from the petrol pump nozzle.
 - f. Always hold the refuelling nozzle against the rim of the fuel tank or canister until the end of refuelling.
 - g. Be sure to reinstall the fuel cap and wipe off any spilled fuel.
 - h. If fuel gets on your clothes, immediately change them.
5. Never attempt to perform any adjustment operations when the engine is running. (Unless explicitly instructed to do so by the manufacturer.)
6. Prior to using the machine, let the vehicle and the sweeper collector adapt to the outdoor temperature (operating in winter).
7. Never attempt to operate the sweeper collector if the required covers, plates or other safety devices are not installed.
8. Always use the individual protective gear (goggles, ear protectors, mask) required for each kind of equipment.
9. Always ensure the safe road stability of the vehicle, using accessories suitable for that purpose (chains, counterweights etc.).
10. Always check that all components are properly installed (the engine is firmly in place and fastened at both ends, the belt is properly fitted.).
11. Never modify any accessory or any part without the written approval of the manufacturer.

OPERATOR INSTRUCTIONS

1. Never place your hand or feet close to, under or between any rotating parts.
2. Be extremely careful when working on or crossing gravel roads, pavements or motorways. Consider the potential traffic hazards. Never take any passengers on board.
3. On colliding with a foreign object, stop the engine. Thoroughly inspect the sweeper collector with a view to finding possible damage and correct the faults before starting the unit again and operating it.
4. If the unit starts vibrating abnormally, stop the engine and immediately determine the cause of the vibration. Vibration usually indicates some problem.
5. Take all possible measures of safety when leaving the vehicle. Stop the sweeper collector engine, set the gear to neutral, activate the parking brake, stop the ATV engine and remove the ignition key.
6. Never start the engine indoors, except when the unit is brought in or out of the building. Never allow the engine to run in a warehouse without ventilation, because the petrol combustion gases contain carbon monoxide, which is odourless, colourless and can cause death.
7. Never operate the sweeper collector moving along a slope; work with it moving downhill. Be extremely cautious when operating the unit on slopes. Never attempt to clean a steep slope.
8. Keep unauthorised persons away from the operating area. Never direct the stream of the debris or snow thrown out by the unit to the people nearby, because some pieces of gravel or waste can fly in the air and injure people or cause material damage.
9. Never operate the unit at a high speed on a slippery surface. Be cautious when reversing.
10. Never take any passengers on board.
11. Stop the engine when the sweeper collector is transported or not in use.
12. Never use the sweeper collector if visibility or illumination are not sufficient.
13. Keep the sweeper collector away from heating units and open flames.
14. Never handle the winch strap or the hook when it is strained.
15. Before emptying the collector, stop the brush drive engine.

OPERATION

1. Adjust the working height of the brush and the rake (see the chapter on the brush height adjustment).
2. Make sure that the collector bin is in the working position (closed).
3. Make sure that nothing prevents the moving parts from operation.
4. Start the brush drive engine and set it to maximum power.
5. **Select the travel speed suitable to the circumstances. Take into account the fact that the engine operates within the range of 2000-3600 rpm. Driving too fast makes the engine unable to provide for throwing out the leaves/manure/wood/waste, and the shaft rotation slows down, which causes the wear of the belt/clutch.**
6. Check the height of the brush and the rake and adjust the working height if necessary (see the section on the brush height adjustment).
7. For manoeuvring, adjust the brush to the height suitable for transportation. Make sure that you have enough space for manoeuvring and will not put anybody in danger!
8. After finishing the job, stop the engine.

Note

In the working position, do not travel faster than 5 km/h.

In the transport position, do not travel faster than 10 km/h.

Never operate on a slope with a grade of over 10%.

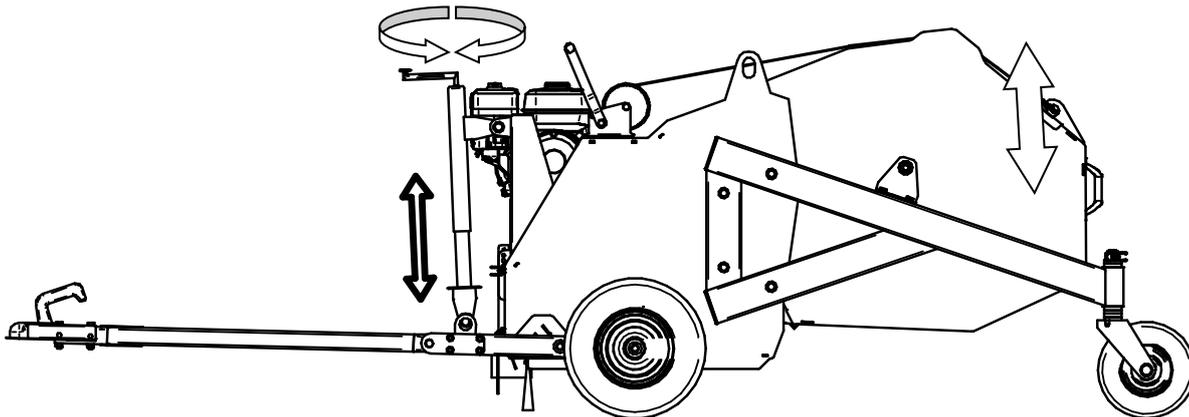


BRUSH HEIGHT ADJUSTMENT

Adjustment of the brush height is done with the use of the lifting mechanism or the optional electric cylinder. The height of the brush shall be adjusted in such a way that the brushes do not scratch the cleaned surface (ground surface, grass etc.) too harshly. If the surface is bumpy, take that into account when adjusting the height.

NB! If the brushes harshly scratch the surface, they will wear out faster and the service life of the brush will be reduced.

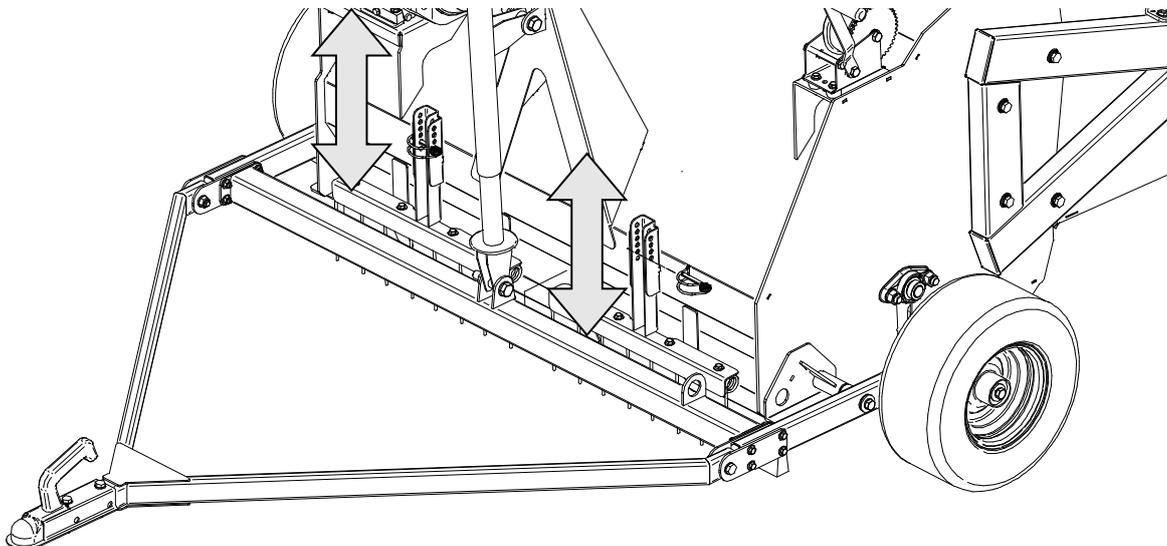
For the transportation of the sweeper collector, adjust the brush height so that the brushes do not touch the surface or the possible bumps on the road.



RAKE HEIGHT ADJUSTMENT

The function of the rake is to prevent larger solid objects from entering the brush operation zone, break down softer objects and spread out larger piles.

To adjust the height remove the lock pin. Raise/lower the rake and put back the lock pin.



EMPTYING COLLECTOR BIN

During cleaning, the debris, leaves, manure, etc. are collected in the collector bin.

In the course of cleaning operations, it is necessary to check from time to time the filling level of the collector bin and empty it.

If the collector bin is full or so heavily loaded that it obstructs the normal operation of the machine, the collector bin should certainly be emptied.

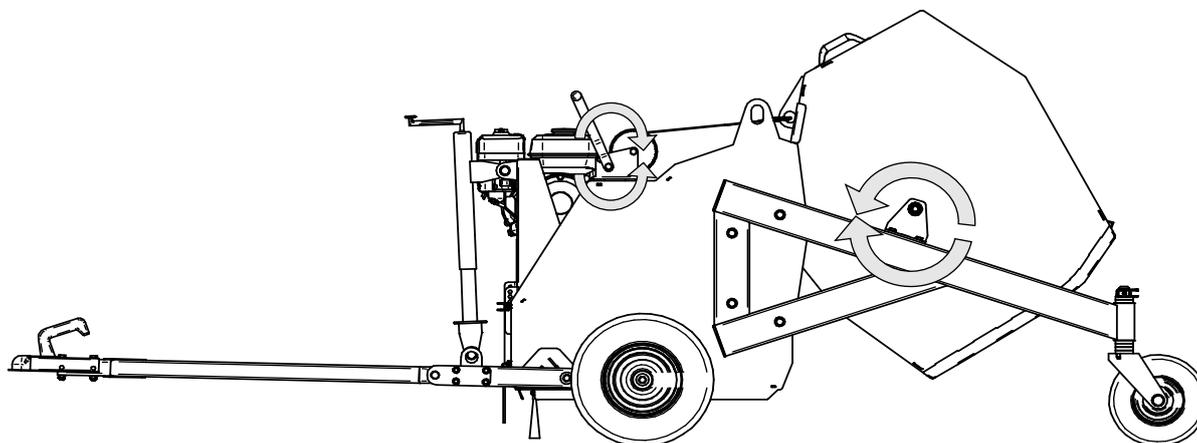


When emptying the collector bin, stop the brush drive engine and wait until all moving parts have stopped.

On the top of the machine, there is a hand winch. When the handle of the winch is cranked, the collector bin tilts.

When the handle is cranked clockwise, the bin will be dumped. The bin can be tilted until it reaches the limiter.

By cranking the handle anticlockwise, the bin is let go back into the collection position, i.e. the working position. The handle is to be cranked until the winch transmission belt slips.



MAINTENANCE

Note

Prior to maintenance, assembly or disassembly of the sweeper collector:

- Shut down the engine.
- Activate vehicle parking brake.
- Stop the vehicle engine, remove the ignition key.
- Make sure that all moving parts have stopped.
- Always firmly secure the sweeper collector.



MAINTENANCE SCHEDULE

Maintenance schedule	Daily	Weekly	Monthly	Seasonally
Maintenance activity:				
Visual inspection of parts fastening	•	•	•	•
Inspection of brushes	•	•	•	•
Checking tyre pressure		•	•	•
Inspection of belt		•	•	•
Checking condition of all connecting parts		•	•	•
Inspection of safety labels		•	•	•
Inspection of safety parts		•	•	•
Lubrication of wheel swivels			•	•
Checking metal parts wear rate				•
Checking clutch wear rate/condition				•
Inspection of bearings				•

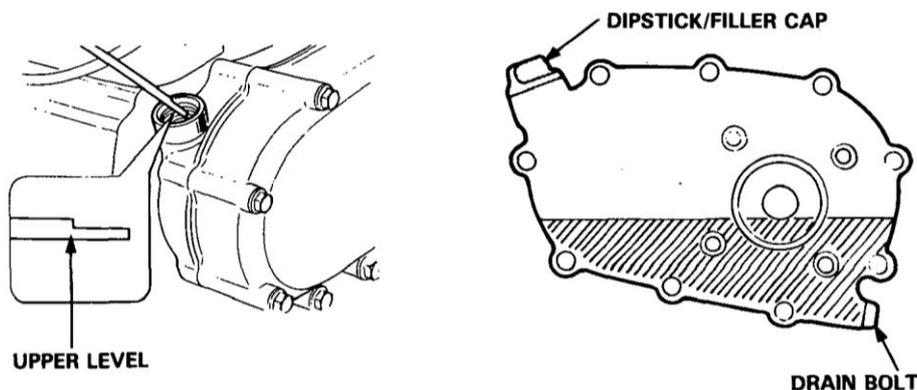
ENGINE MAINTENANCE

Maintain the engine in accordance with the instructions in the engine instruction manual.

REDUCTION GEARBOX OIL LEVEL

Changing/checking gearbox oil:

- 1) Ensure the machine is on a level surface and turned off.
- 2) Remove the oil filler cap and wipe the dipstick clean.
- 3) Insert the dipstick into the filler neck but do not screw it in.
- 4) If the level is low, fill to the upper-level mark with the same oil recommended for the engine (Mobil Super 2000 X1 10W-40). After 40 hours of work, drain the oil by removing the drain bolt, then refill with fresh oil.
- 5) Reinstall the oil filler cap securely.



TYRE PRESSURE

Check the air pressure in the tyres and adjust it to a level of 42psi/2,9bar (front wheels) and 46psi/3,2bar (rear wheels). The tyre pressure must be same in all the same type wheels.

BRUSH WEAR RATE

Check the brush wear rate from time to time. If necessary, adjust the height of the brush above the ground (see "Height adjustment").

LUBRICATION

All rotating and moving parts of the machine shall be oiled with light oil.

WHEEL FRAME:

Swivel axles every 40 work hours.

Apply oil to all pivoting points. Use bearing lubricant.

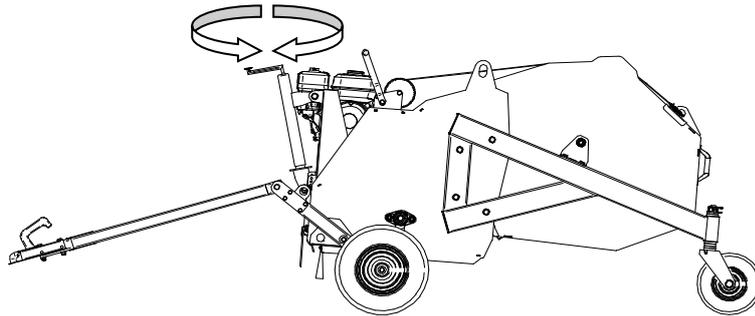
BEARINGS:

Lubricate the bearings every 40 work hours. Use bearing lubricant.

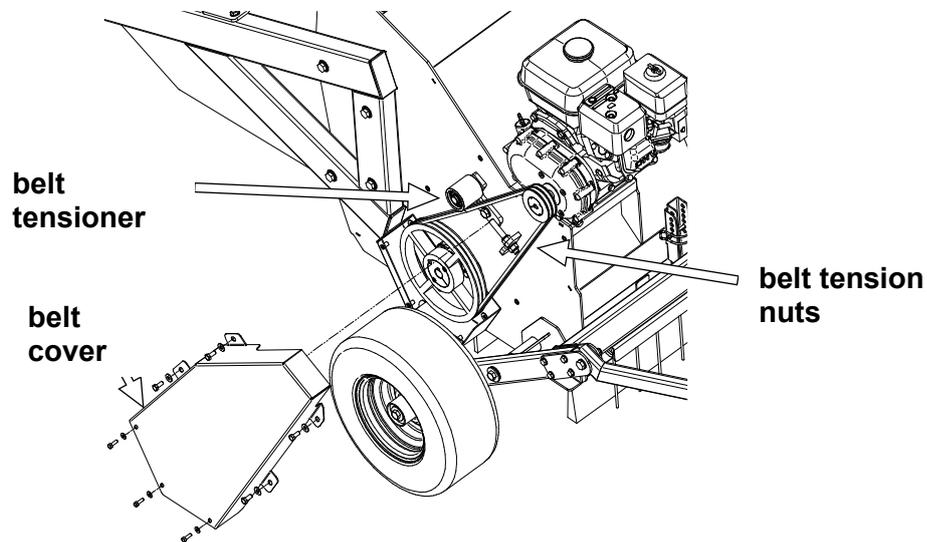
BELT REPLACEMENT

Regularly check the condition of the belt, if necessary, replace it. **Use the SPZ-1587 V-belt.**

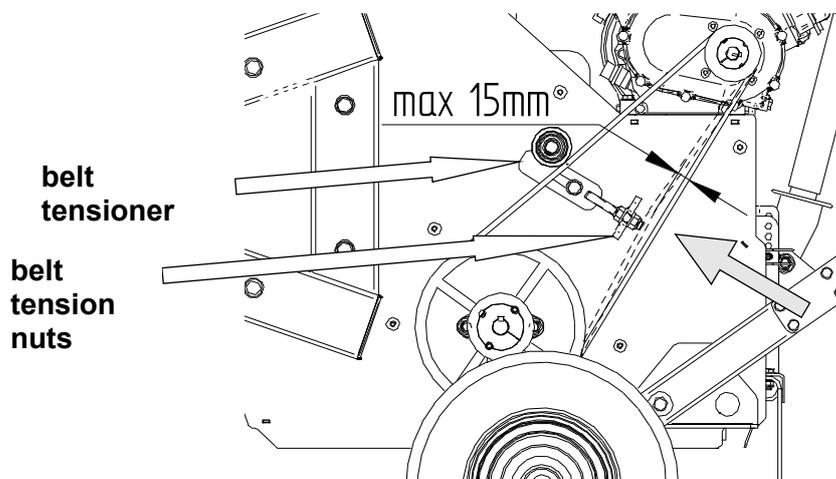
1. Adjust the brush to the maximum height.



2. Remove the belt cover bolts and take off the belt cover.
3. Loosen the belt tensioner retaining bolt and tension nuts.
4. Replace the belt.



5. Tighten the belt by turning the tension nuts. Tighten the belt to such an extent that it is possible to achieve a sag of up to 15 mm by pressing on middle of the belt with your finger.

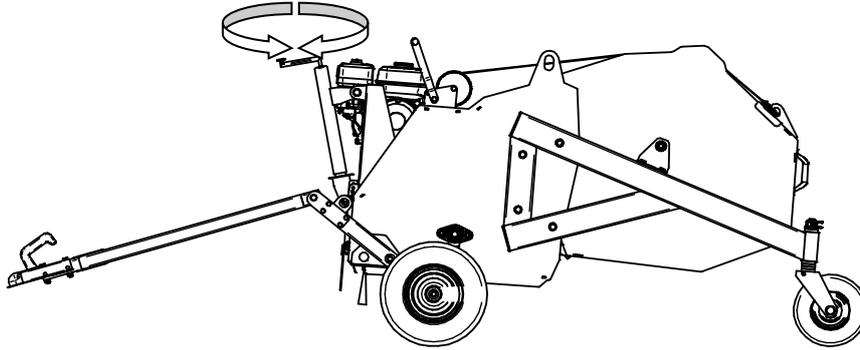


6. Tighten the belt tension nuts and belt tensioner retaining bolt.
7. Install the cover and fasten it with the bolts.

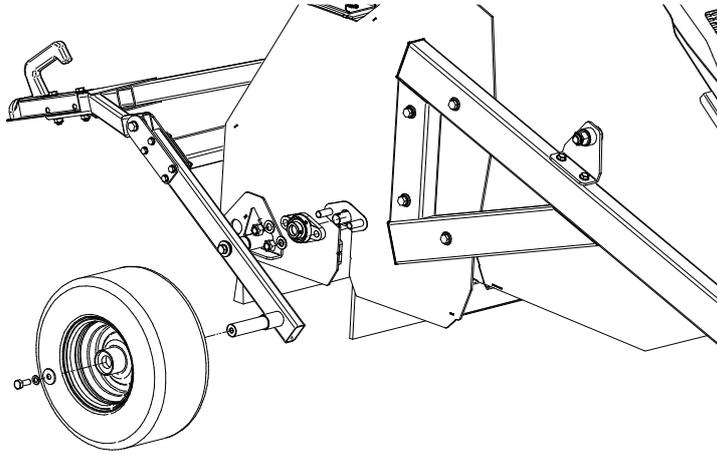
REPLACEMENT OF BRUSHES

As the brushes get worn out, the necessity of their replacement may arise.

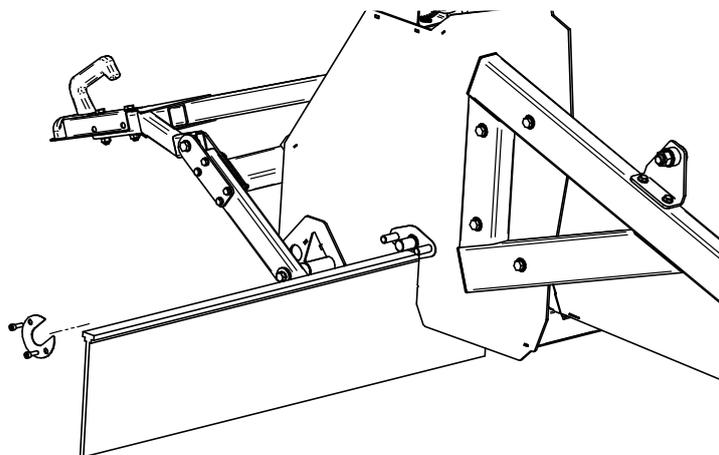
1. Adjust the brush to the maximum height.
2. !!! Block the wheels in such a way that the machine cannot move!!!
3. Remove the cover and bolt from the left front wheel.



4. Prop up the front left corner of the machine to prevent it from falling.
5. Adjust the brush height so that the left front wheel is off the ground.
6. Remove the left front wheel.



7. Remove only the brush shaft bearing housing together with the washers and nuts. The shaft remains supported by the shaft support.
8. Remove one brush retainer bolt. Turn the brush shaft so that it becomes possible to remove the second bolt.
9. Remove the brush retainer.

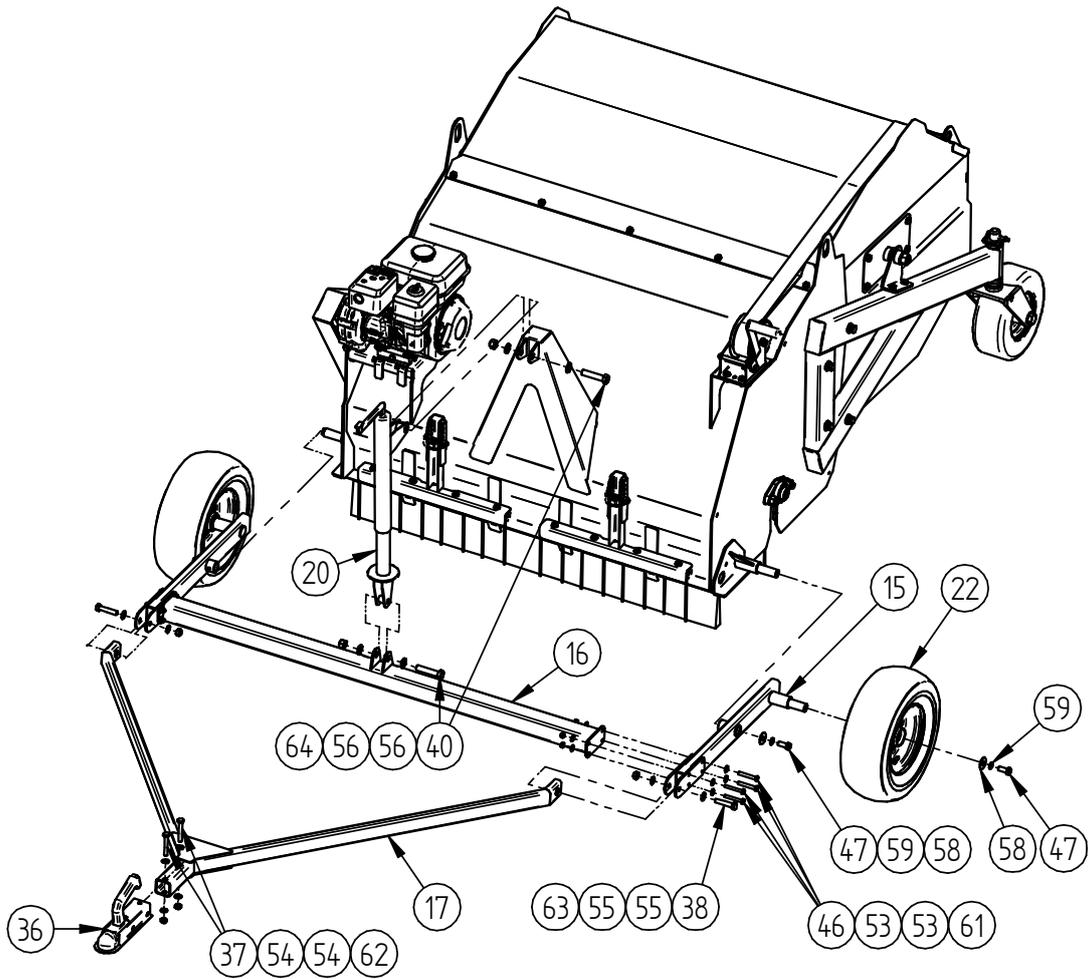


10. Pull out from the groove the worn-out/broken brush. Push the new good brush back into the groove.
11. Rotate the brush shaft to enable replacing one-by-one all the brushes that need replacement.
12. Reassemble the brush retainer with the bolts, then the brush bearing housing with the washers and nuts.
13. Reassemble the wheel and, finally, the wheel cover.
14. Remove the prop supporting the machine.

STORAGE

1. Thoroughly clean the sweeper collector.
2. Paint over all those parts on which the paint coating is worn out.
3. Mark all the parts that need replacement for the next season.
4. Follow the instructions in the section about lubrication.
5. Follow the instructions in the engine user manual.
6. Store the sweeper collector in a dry place.
7. It is recommended to raise the sweeper collector on supports so that its wheels do not rest on the surface. That will help to avoid squeezing the tyres oval in the process of their long-term storage at the same place.
8. Order spare parts for the parts to be replaced for the next season.

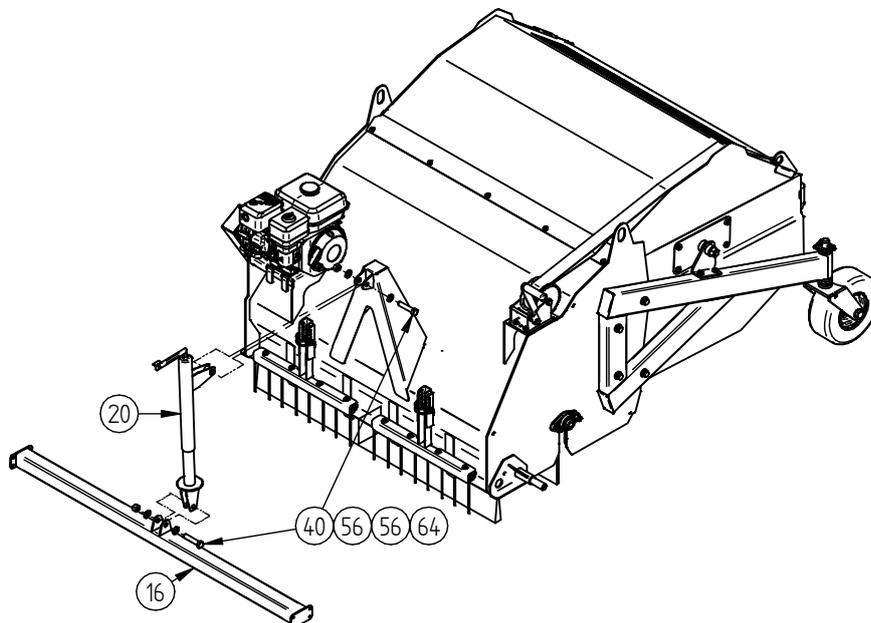
INITIAL ASSEMBLY



The part position numbers correspond to the numbers in the table of spare parts.

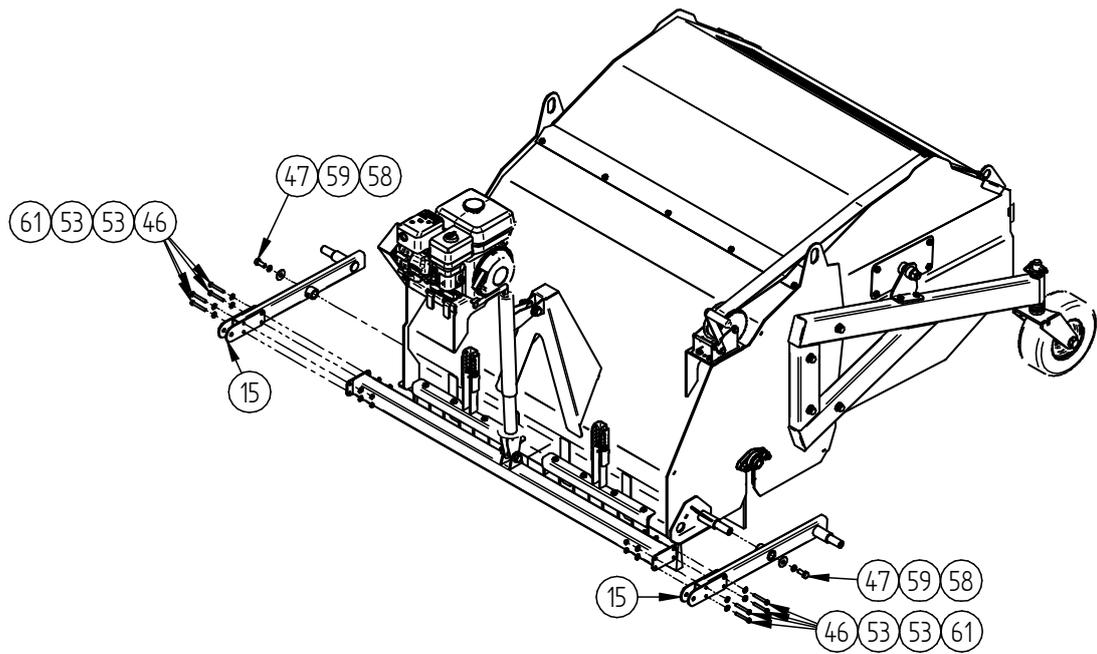
Step 1

Install the wheel frame spacing beam (Pos.16) and the lifting mechanism (Pos.20).



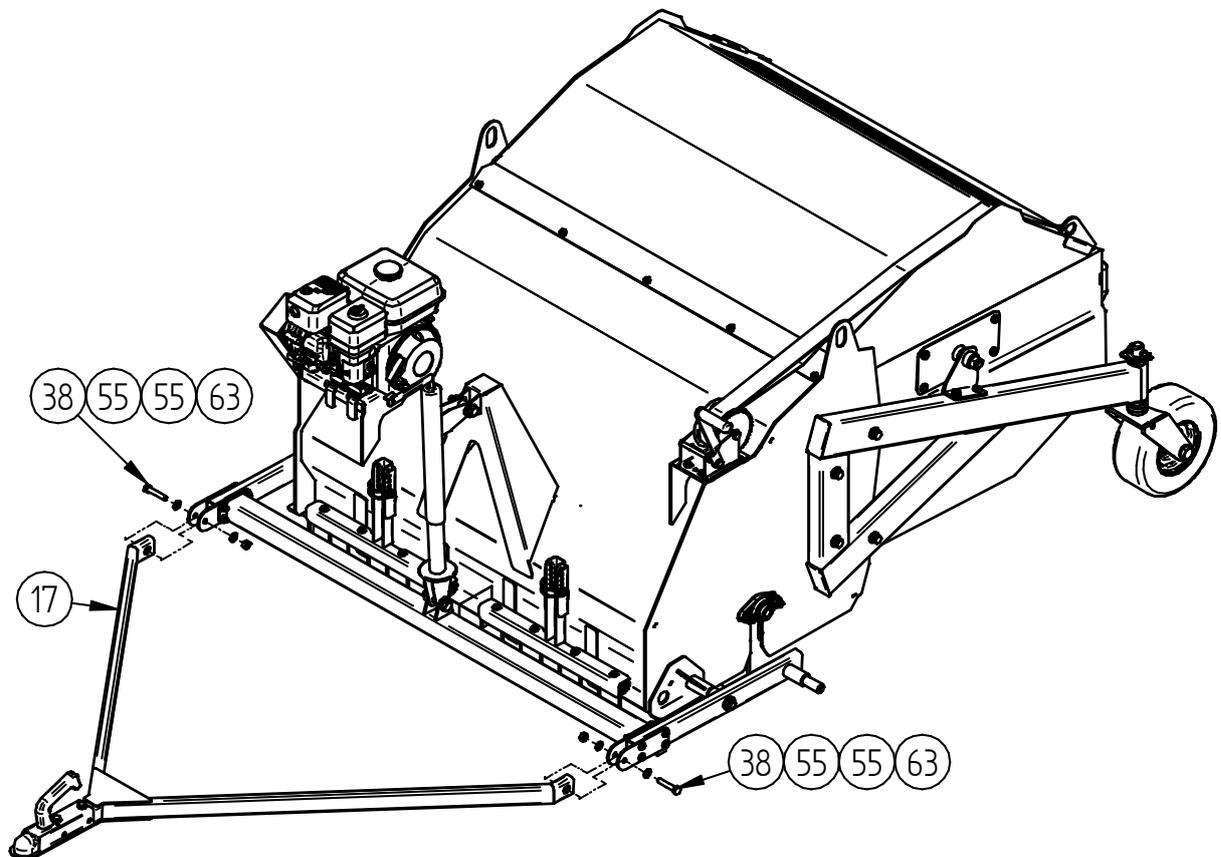
Step 2

Install the wheel frame assemblies to the machine (Pos.15).



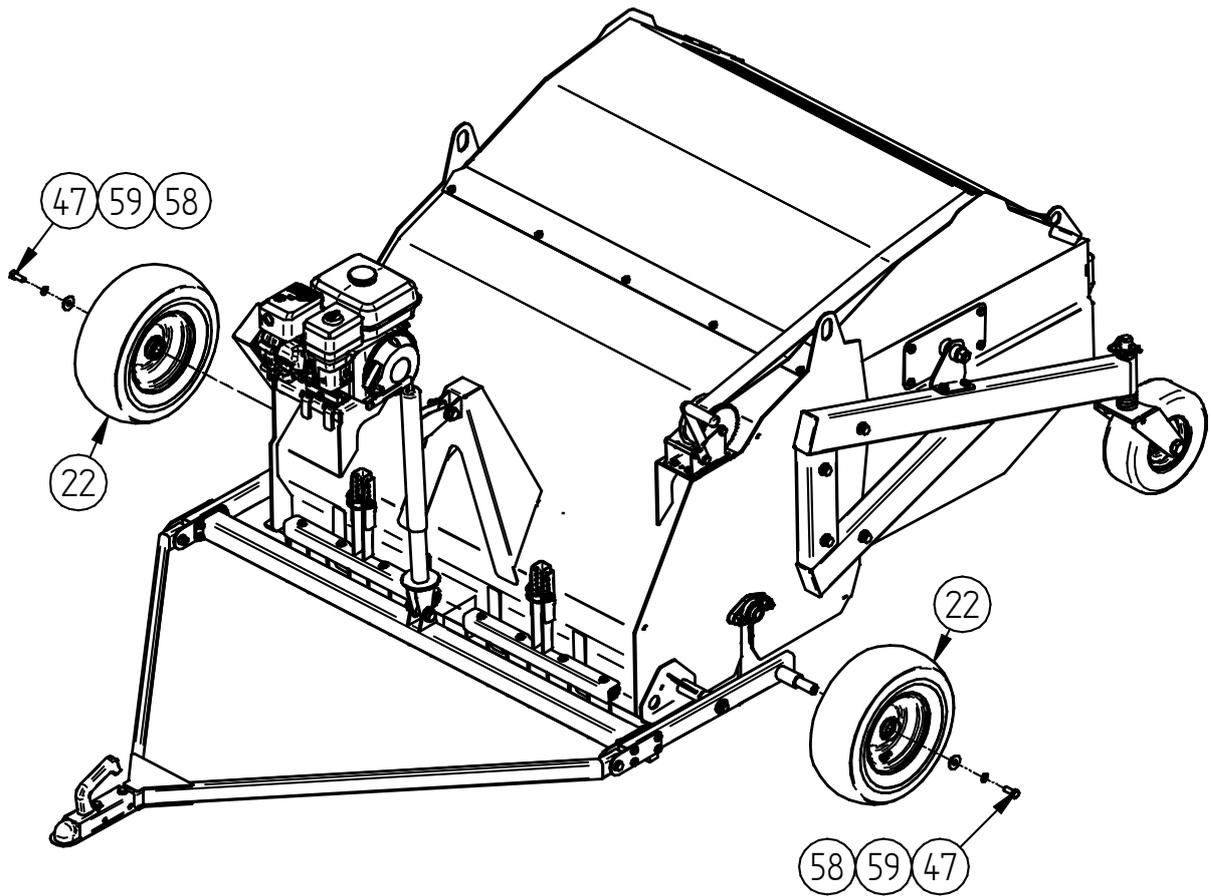
Step 3

Install the drawbar (Pos.17).



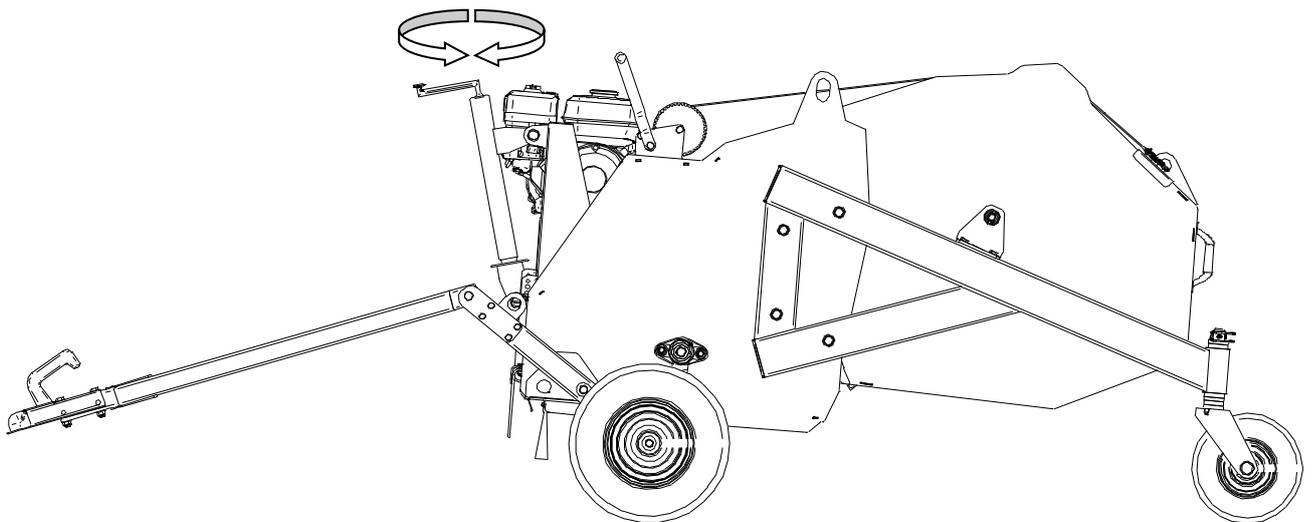
Step 4

Assemble the wheels (Pos.22).



Step 5

Operate the lifting mechanism to raise the machine to such an extent as to be able to remove the transportation pallet.



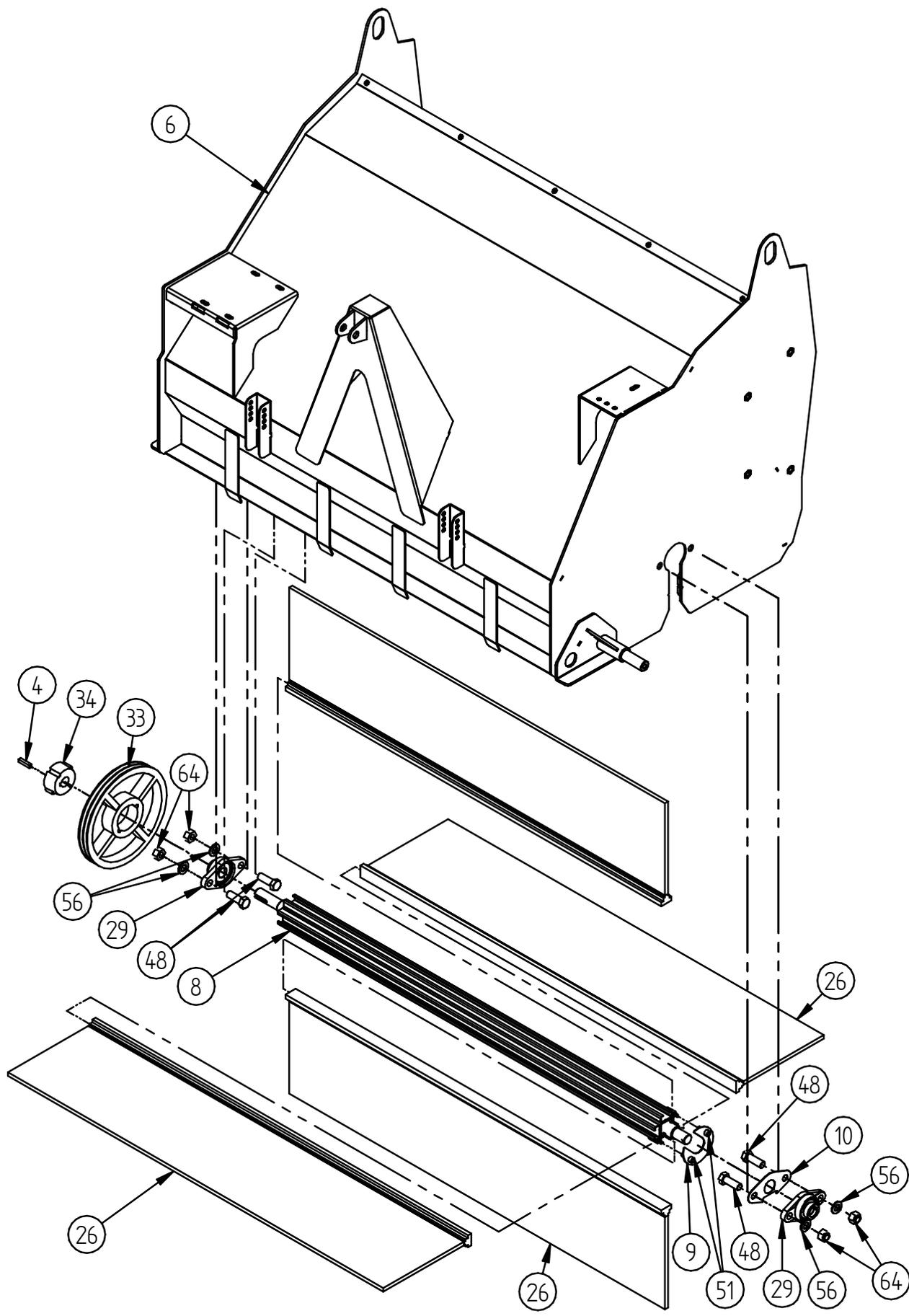
SPARE PARTS LIST

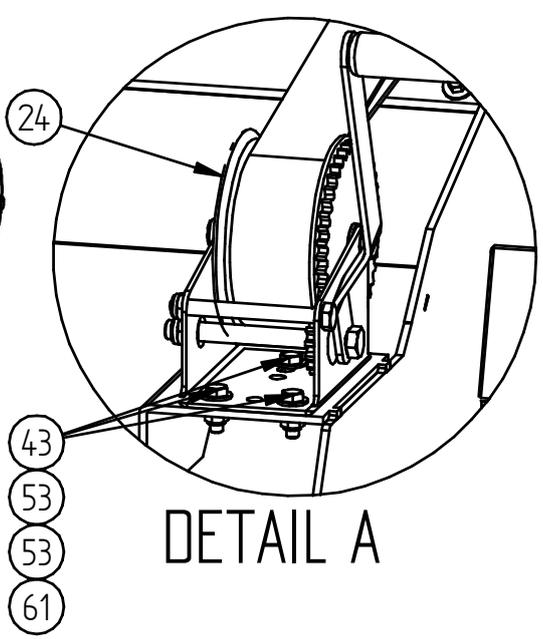
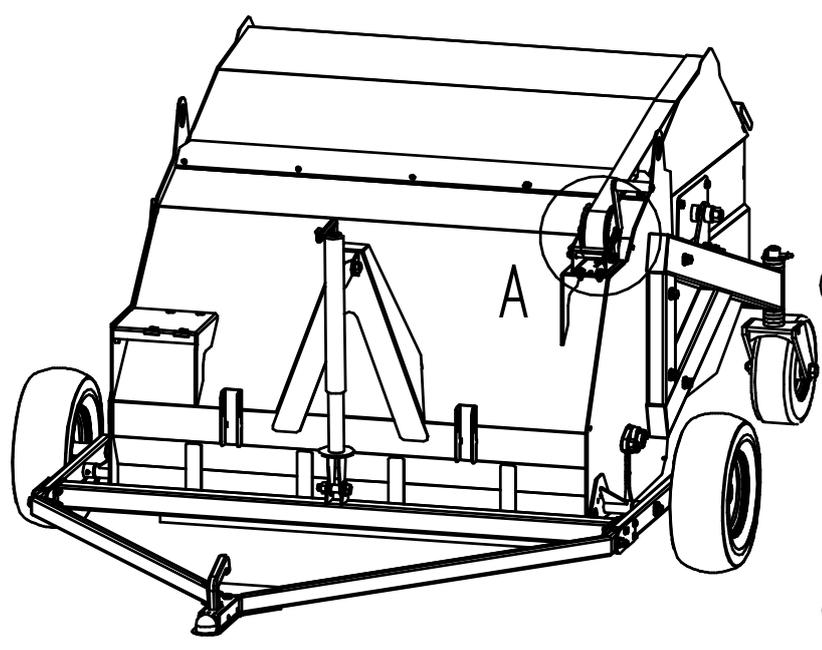
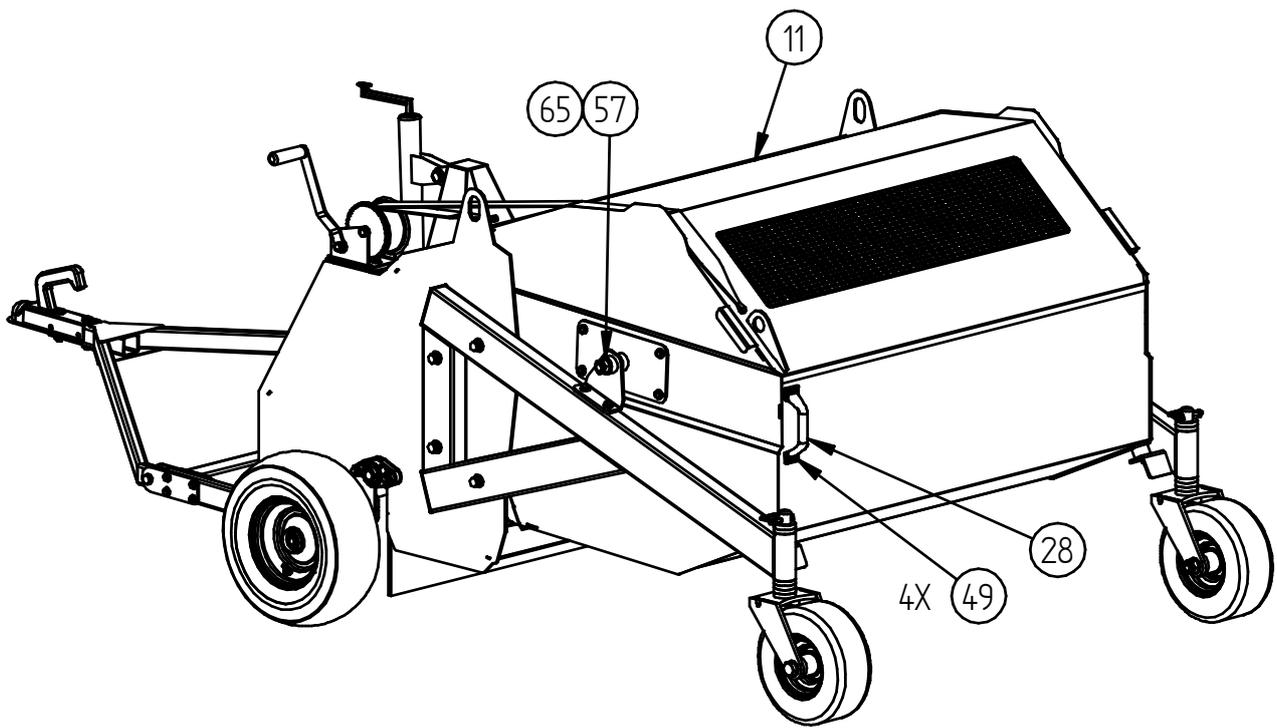
Pos.	Description	Code	Amount
1	Engine base spacer	78.0001	2
2	Cover rib	78.0002	1
3	Parallel key for shaft 6x6x30	78.0004	1
4	Parallel key 8x7x35mm	78.0005	1
5	Gearbox gasket	78.0006	1
6	Enclosure	78.0100	1
7	Engine mounting plate	78.0120	2
8	Brush shaft	78.0201K	1
9	Brush retainer	78.0206	1
10	Shaft support	78.0207	1
11	Collector bin	78.0300S	1
12	Left wheel frame	78.0400	1
13	Right wheel frame	78.0700	1
14	Belt tensioner	78.0900	1
15	Wheel frame	78.1101K	2
16	Wheel frame spacing beam	78.1106K	1
17	Drawbar	78.1110K	1
18	Belt cover set	78.1200	1
19	Rake	78.1300	2
20	Manual lifting mechanism	14.10400	1
21*	Electrohydraulic cylinder (optional)	70.1000	1
22	Wheel 16x6.50-8 6pr P512 TL	78.1500S	2
23	Engine B&S VNG 6,5HP	OT.12.02.030	1
24	Hand winch	OT.13.01.020	1
25	Grease nipple M6	OT.17.00.005	2
26	Brush l=1200	OT.22.03.010	4
27	Brush 15x124x1240mm	OT.22.03.020	1
28	Handle 175mm	OT.32.00.004	1
29	Bearing bracket UCFL205	OT.34.00.002	2
30	Reduction gearbox GX160	OT.39.00.010	1
31	V-belt SPZ-1587	OT.40.00.015	2
32	V-belt pulley SPZ80 + Taper-Lock bush	OT.50.00.010 +OT.50.00.020	1
33	V-belt pulley SPZ250-2 (PHP 2SPZ250TB)	OT.50.00.050	1
34	Taper-lock bush 2012 (PHF TB2012X25MM)	OT.50.00.060	1
35	Lynch pin 10x60mm	OT.10.11.011	2
36	Drawbar square 50x50	OT.10.02.020	1
37	Bolt M10x70 DIN931	OT.02.01.046	2
38	Bolt M12x60 DIN931	OT.02.01.090	2
39	Bolt M12x70 DIN931	OT.02.01.110	8
40	Bolt M16x75 DIN931	OT.02.01.142	2
41	Bolt M6x25 DIN933	OT.02.02.070	5
42	Bolt M8x20 DIN933	OT.02.02.180	7
43	Bolt M8x25 DIN933	OT.02.02.190	3
44	Bolt M8x30 DIN933	OT.02.02.200	3

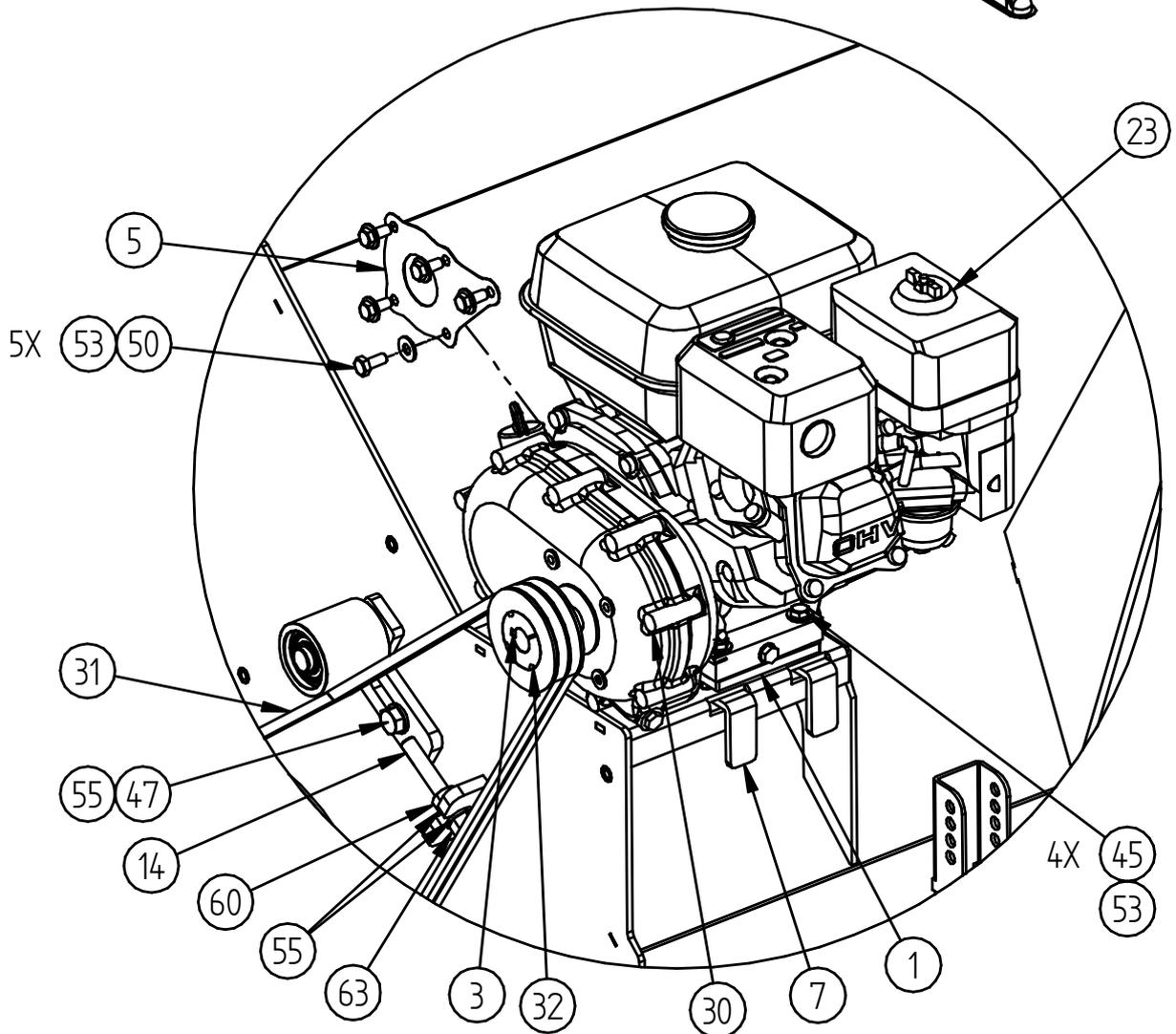
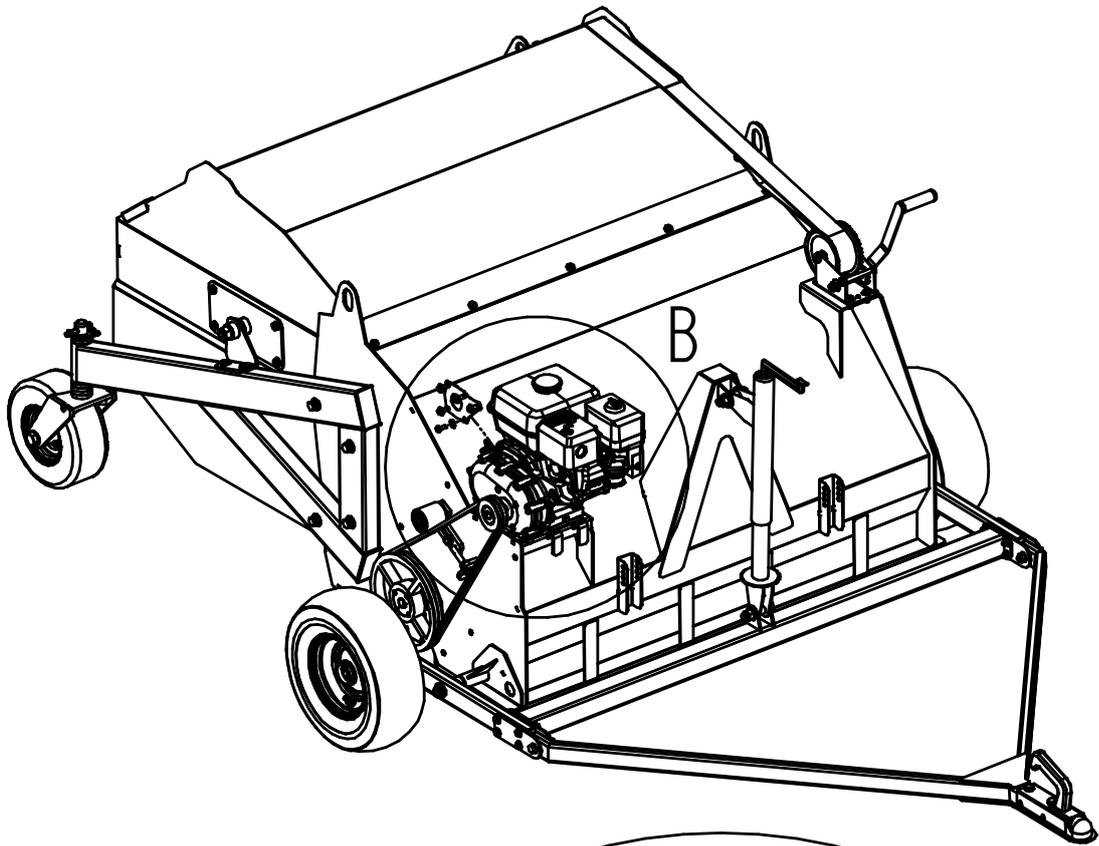
Continued on next page

Beginning on previous page

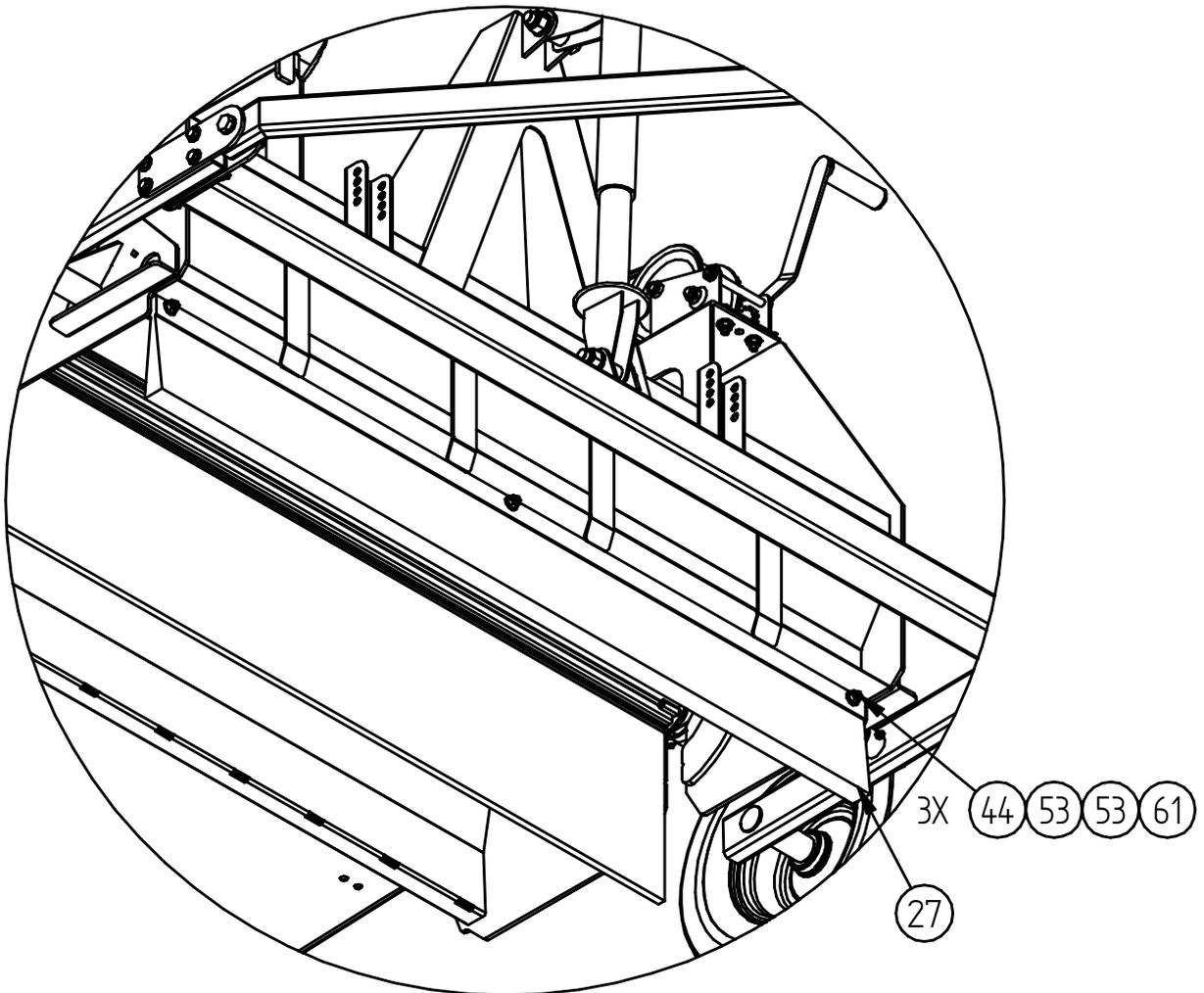
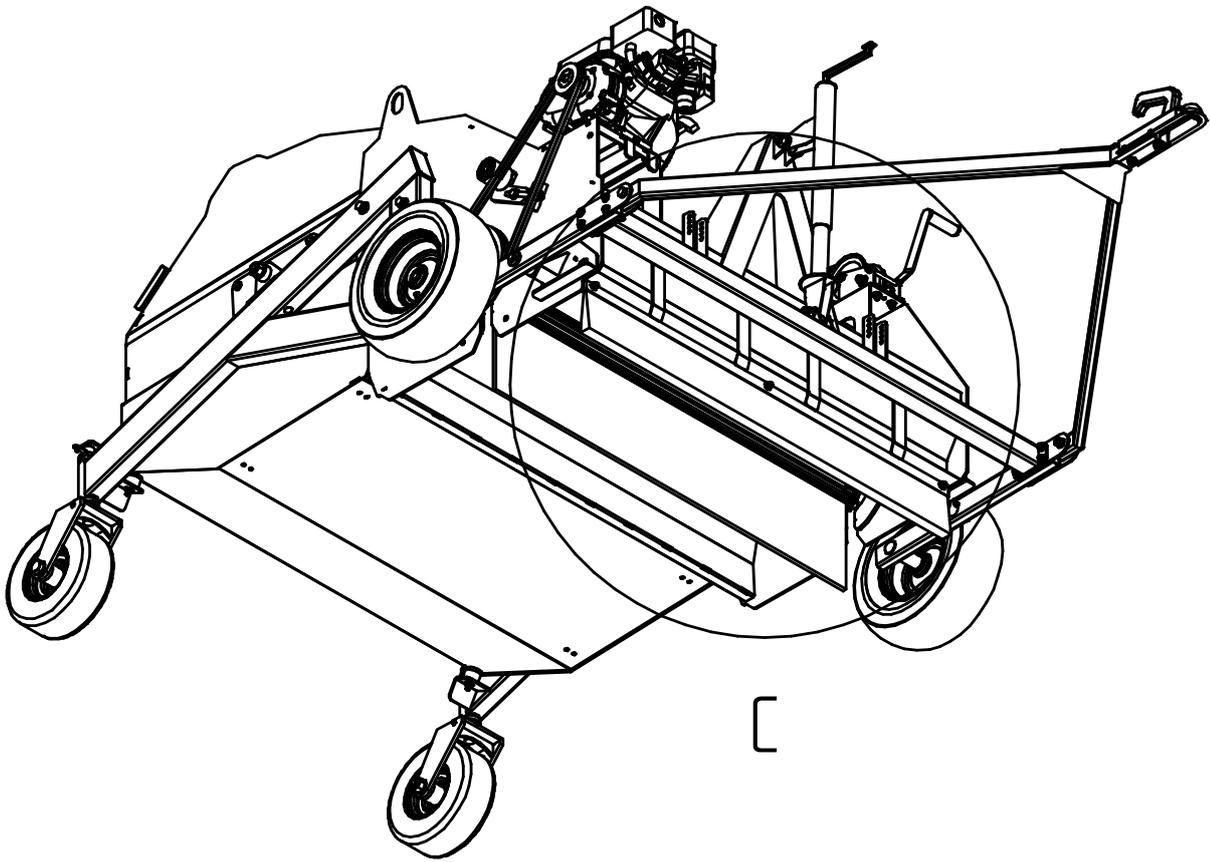
Pos.	Description	Code	Amount
45	Bolt M8x50 DIN933	OT.02.02.240	4
46	Bolt M8x60 DIN933	OT.02.02.250	8
47	Bolt M12x30 DIN933	OT.02.02.390	5
48	Bolt M16x45 DIN933	OT.02.02.642	4
49	Bolt M5x16 DIN7991	OT.02.04.005	4
50	Bolt UNF 5/16 x 3/4	OT.02.07.004	5
51	Hexagon bolt M8x25 DIN912	OT.02.06.050	2
52	Washer Ø6/18 DIN9021	OT.04.02.020	5
53	Washer Ø8/20 SFS3738	OT.04.03.030	44
54	Washer M10 DIN125	OT.04.01.040	4
55	Washer M12 DIN125	OT.04.01.050	15
56	Washer M16 DIN125	OT.04.01.060	8
57	Washer M20 DIN125	OT.04.01.070	2
58	Washer M12 DIN9021	OT.04.02.060	4
59	Spring washer M12 DIN127	OT.04.04.050	12
60	Nut M12 DIN934	OT.03.01.050	1
61	Nyloc nut M8 DIN985	OT.03.02.040	14
62	Nyloc nut M10 DIN985	OT.03.02.050	2
63	Nyloc nut M12 DIN985	OT.03.02.060	3
64	Nyloc nut M16 DIN985	OT.03.02.070	6
65	Nyloc nut M20 DIN985	OT.03.02.080	2



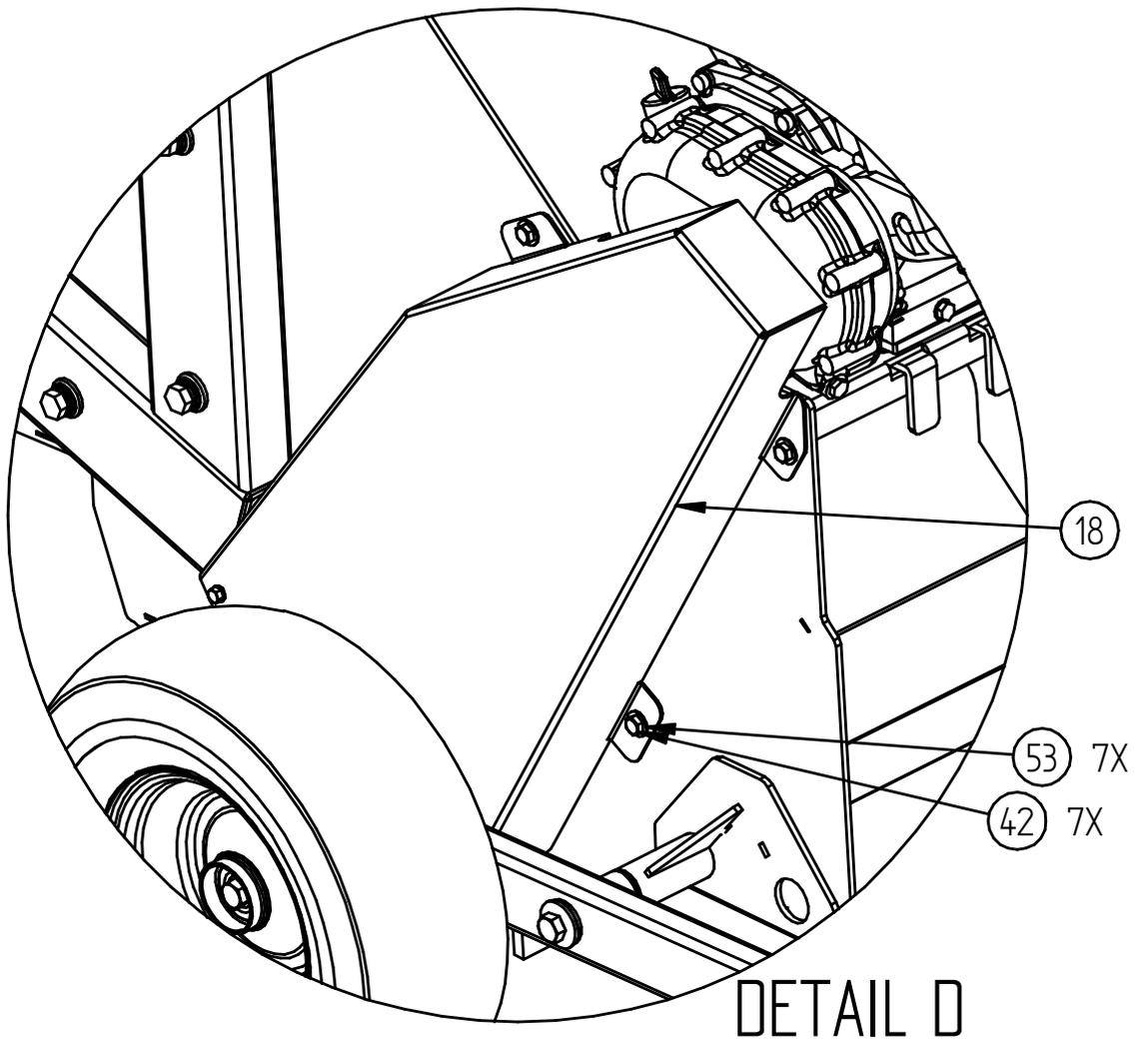
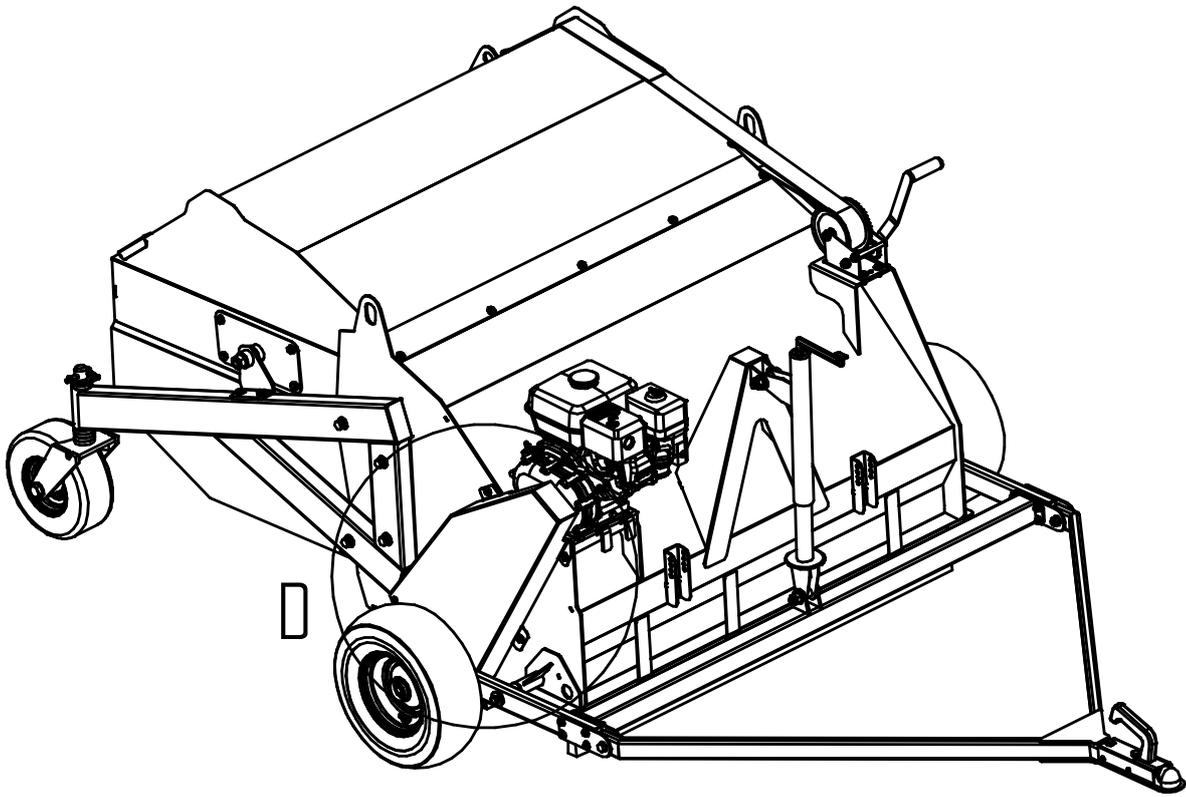


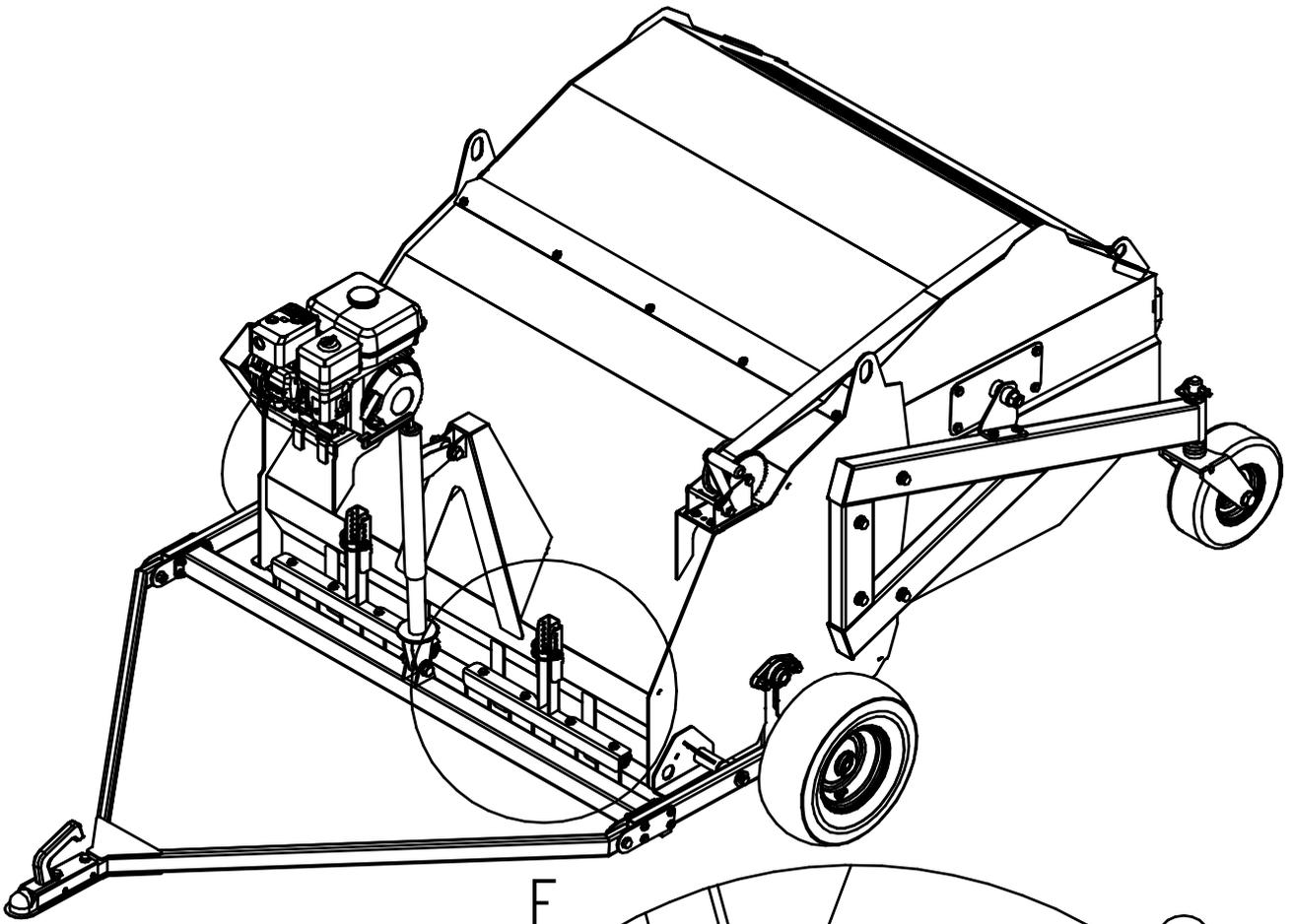


DETAIL B

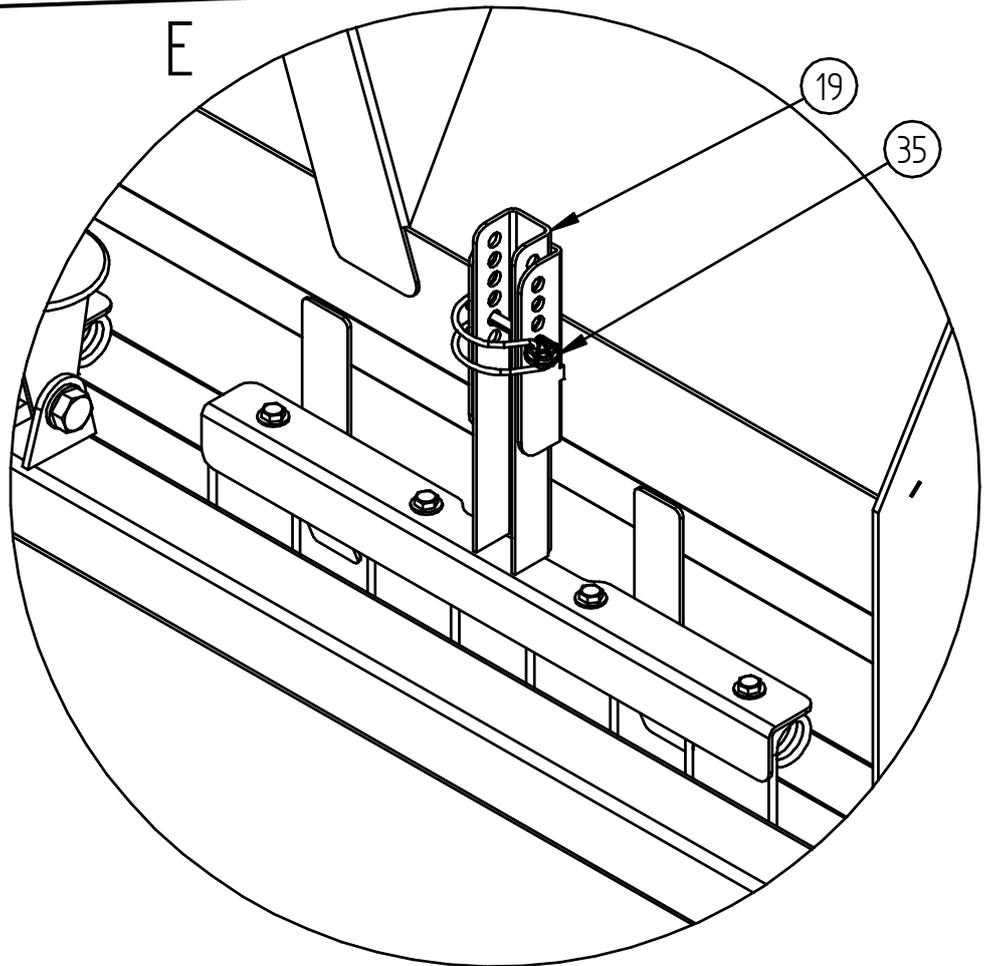


DETAIL C





E

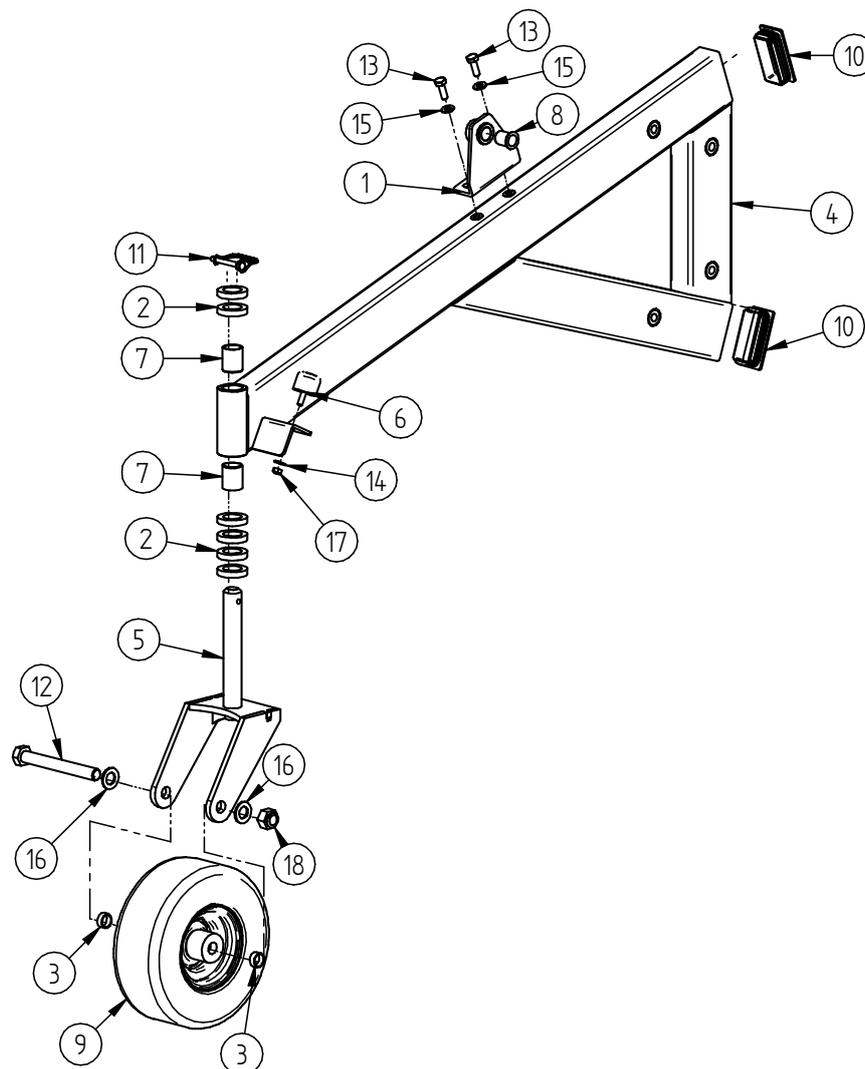


DETAIL E

LEFT WHEEL FRAME

Code: 78.0400

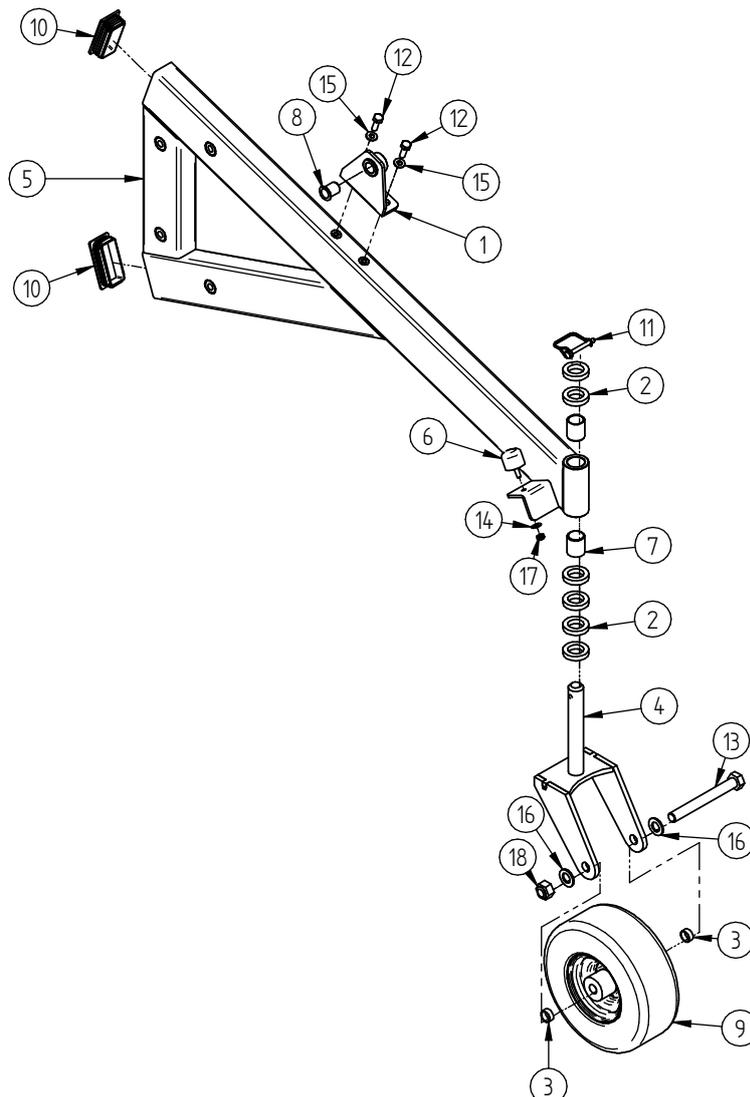
Pos.	Description	Code	Amount
1	Box hinge	78.0312K	1
2	Plastic washer	78.0401	6
3	Tube Ø25x2 L=10mm	78.0402	2
4	Left rear wheel frame	78.0500K	1
5	Rear wheel holder	78.0600K	1
6	Rubber shock absorber Ø40x30xM8	OT.35.03.020	1
7	Slide bearing A181SM-3034-40	OT.41.01.010	2
8	Flanged slide bearing PFM-2023-30	OT.41.02.010	1
9	Wheel 11x4.00-5/4 P607 TL	OT.10.03.090	1
10	Pipe plug 100 X 50 X 2.0-3.0	OT.10.07.090	2
11	Lynch pin 8x57mm	OT.10.11.010	1
12	Bolt M20x170 DIN931	OT.02.01.190	1
13	Bolt M10x30 DIN933	OT.02.02.320	2
14	Washer Ø8/20 SFS3738	OT.04.03.030	1
15	Washer M10 DIN125	OT.04.01.040	2
16	Washer M20 DIN125	OT.04.01.070	2
17	Nyloc nut M8 DIN985	OT.03.02.040	1
18	Nyloc nut M20 DIN985	OT.03.02.080	1



RIGHT WHEEL FRAME

Code: 78.0700

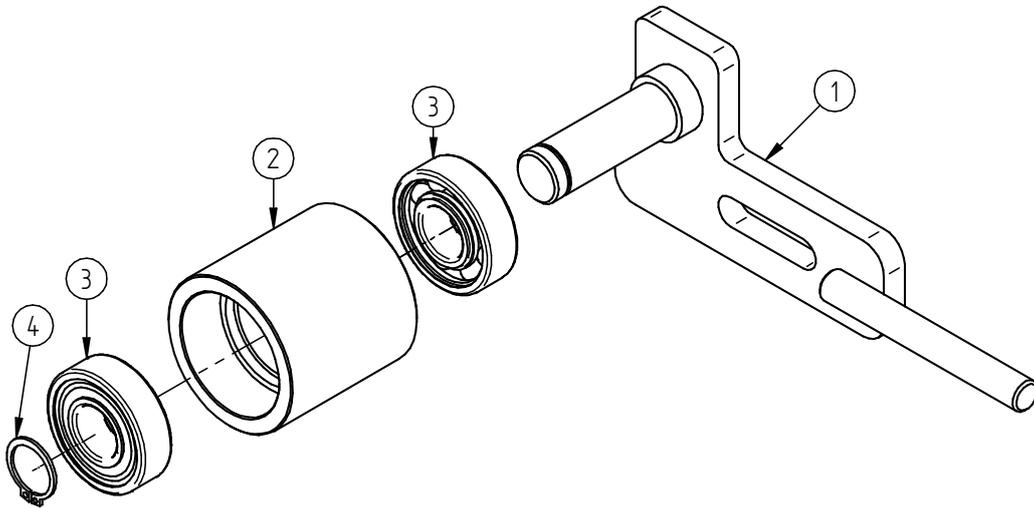
Pos.	Description	Code	Amount
1	Box hinge	78.0312K	1
2	Plastic washer	78.0401	6
3	Tube Ø25x2 L=10mm	78.0402	2
4	Rear wheel holder	78.0600K	1
5	Right rear wheel frame	78.0800K	1
6	Rubber shock absorber Ø40x30xM8	OT.35.03.020	1
7	Slide bearing A181SM-3034-40	OT.41.01.010	2
8	Flanged slide bearing PFM-2023-30	OT.41.02.010	1
9	Wheel 11x4.00-5/4 P607 TL	OT.10.03.090	1
10	Pipe plug 100 X 50 X 2.0-3.0	OT.10.07.090	2
11	Lynch pin 8x57mm	OT.10.11.010	1
12	Bolt M10x30 DIN933	OT.02.02.320	2
13	Bolt M20x170 DIN931	OT.02.01.190	1
14	Washer Ø8/20 SFS3738	OT.04.03.030	1
15	Washer M10 DIN125	OT.04.01.040	2
16	Washer M20 DIN125	OT.04.01.070	2
17	Nyloc nut M8 DIN985	OT.03.02.040	1
18	Nyloc nut M20 DIN985	OT.03.02.080	1



BELT TENSIONER ASSEMBLY

Code: 78.0900

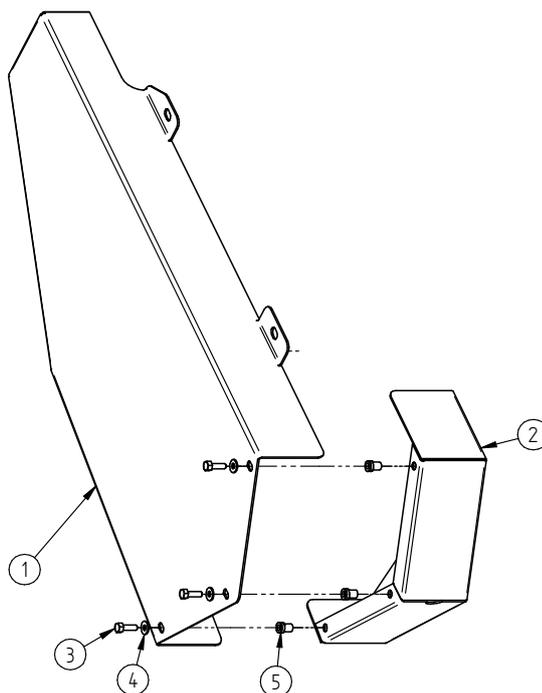
Pos.	Description	Code	Amount
1	Belt tensioner bracket	78.0901K	1
2	Roller Ø60 x 61	78.0905	1
3	Bearing 6204-RS	OT.41.00.010	2
4	Retainer ring Ø20 x 1.2 DIN471	OT.34.00.020	1



BELT COVER SET

Code: 78.1200

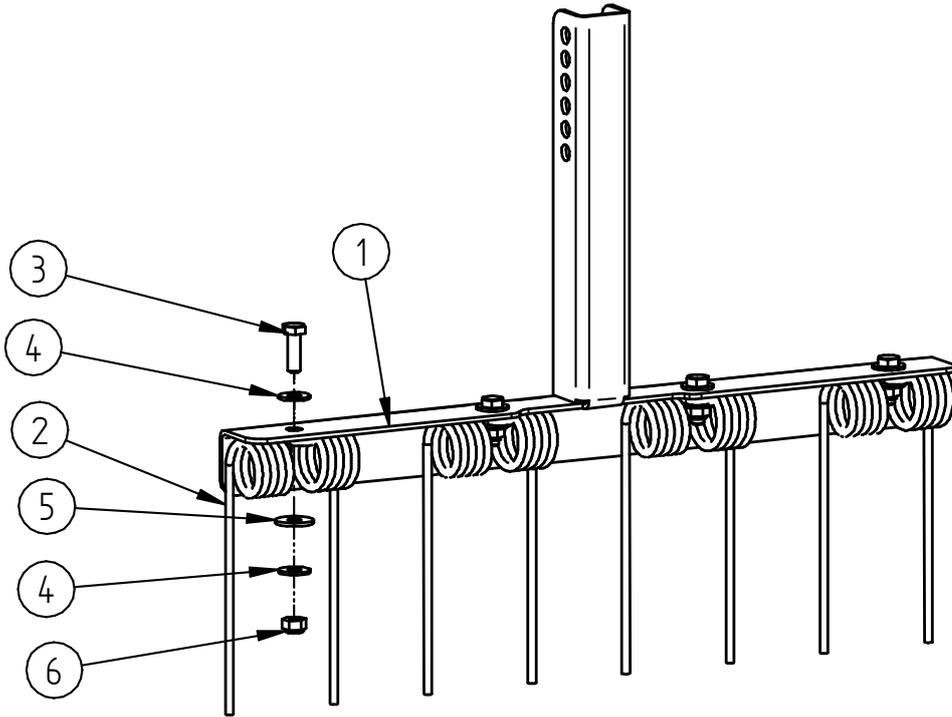
Pos.	Description	Code	Amount
1	Belt cover	78.1201	1
2	Belt cover bracket	78.1202	1
3	Bolt M6x20 DIN933	OT.02.02.060	3
4	Washer Ø6/15 SFS3738	OT.04.03.020	3
5	Tightening nut M6	OT.03.07.005	3



RAKE ASSEMBLY

Code: 78.1300

Pos.	Description	Code	Amount
1	Rake frame	78.1301	1
2	Spring tooth Ø5 L=160mm	OT.26.05.010	4
3	Bolt M8x25 DIN933	OT.02.02.190	4
4	Washer Ø8/20 SFS3738	OT.04.03.030	8
5	Washer M8 DIN9021	OT.04.02.040	4
6	Nyloc nut M8 DIN985	OT.03.02.040	4



IRON BALTIC

IRON BALTIC OÜ
Joa tee 17
Vääna 76903
Estonia / Europe

+372 6 533 711
sales@ironbaltic.com

www.ironbaltic.com
www.facebook.com/ironbaltic
www.youtube.com/user/ironbalticLtd

