

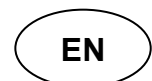
**COLLECT-LEAVES FOR
LAWN TRACTOR**

ATH42



ALNOVA[®]

Millasur, SL.
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15688 - Oroso - A Coruña 981 696465 www.millasur.com



ANOVA wishes to congratulate you for choosing one of our products and guarantees the assistance and cooperation that has always distinguished our brand over time.

This machine is designed to last for many years and to be very useful if used in accordance with the instructions contained in the user manual. We therefore recommend that you read this instruction manual carefully and follow all our recommendations.

For more information or questions, you can contact us through our web supports such as www.anova.es and www.millasur.com

INFORMATION ABOUT THIS MANUAL

Pay attention to the information provided in this manual and on the machine for your safety and that of others.

- This manual contains instructions for use and maintenance.
- Take this manual with you when you go to work with the machine.
- Contents are correct at time of printing.
- The rights to make alterations are reserved at any time without affecting our legal responsibilities.
- This manual is considered an integral part of the product and should remain with it in the event of loan or resale.
- Ask your dealer for a new manual in case of loss or damage.

READ THIS MANUAL CAREFULLY BEFORE USING THE MACHINE

To ensure that your machine provides the best results, please read the usage and safety guidelines carefully before using it.

OTHER WARNINGS:

Incorrect use could cause damage to the machine or other objects.

Adapting the machine to new technical requirements could cause differences between the content of this manual and the product purchased.

Read and follow all instructions in this manual. Failure to follow these instructions could result in serious personal injury.

■ Contents

1. Safety warnings and general rules
2. Identification of controls and functions
3. Components and parts of the ATH42 accessory
4. Assembly instructions
5. Start-up instructions
6. Maintenance and storage
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1. Safety warnings and general rules

Read this manual carefully before using the mower blade collector.

The operator must read and understand all safety and warning information, start-up instructions, maintenance and storage instructions before using this equipment. Failure to properly use and maintain this product could result in serious injury to the operator and bystanders.

Operation warnings

- At no time carry passengers, or sit or stand on the tractor attachment.
- Do not allow children to play, stand or climb on it.
- Always inspect the accessory before using to make sure it is in good working order.
- Replace or repair worn or damaged parts immediately.
- Always check and tighten the assembled parts before operation.
- Never attach the chute rope to any part of your body or clothing.
- Never hold the rope while towing the sweeper or leaf catcher.
- Just attach the rope to the accessory to keep it away from wheels and moving parts.
- Avoid large holes and trenches when using the equipment.
- Be careful when using the sweeper on steep slopes or hills.
- Always use the attachment up and down the slope, never across the face of the slope
- Always use at reduced speed on rough terrain, along streams, ditches, and slopes.
- Do not use the accessory near streams, ditches, and public roads.
- To avoid personal injury and / or equipment damage, do not exceed 5 MPH.
- Always be careful when loading and unloading the hopper.
- Tow only with recommended vehicles (lawn / garden tractors and ATV).
- Always check your vehicle owner's manual for proper towing.
- The attachment is not designed for use with zero turn riding mowers.
- Always secure and lock the sweeper to the vehicle hitch before operating.

Cutting and crushing hazards

- Always keep hands and feet away from moving parts while using the equipment.
- Always clear and keep work area clean during use.
- Always wear safety equipment, eye protection, suitable clothing, gloves and work boots when using the equipment.







Warning

The warnings, cautions, and instructions described in this instruction manual cannot cover all possible conditions or situations that may occur. Common sense and caution are factors that must be present at all times.

Assembly required

This product requires assembly before use. See "Mounting" section for

Definitions of Hazard Signal Words

	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
 DANGER	Danger - Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
 WARNING	Warning: Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
 CAUTION	Caution: Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.
CAUTION	Caution: Without the safety alert symbol indicates a potentially dangerous situation which, if not avoided, could result in property damage.

About the lawn mower blade collector

This trailer attachment makes yard work a breeze. The steel and nylon construction is durable and lightweight, making it easy to tow, rust resistant, and easy to clean.

The extra-large sweep section makes work easier and saves time when cleaning different types of debris from grass clippings, twigs, paper, leaves and more. The trailer sweeper has a one-hand lever for adjusting the brush height. It can be stored in a shed or garage with minimal space. The large hopper makes loading and unloading quick and easy.

2. Identification of controls and functions

Read this owner's manual before operating the equipment. Familiarize yourself with the location and function of the controls and features. Save this manual for future reference.



1. Hand lever	To adjust the brush height
2. Nylon hopper	Holds different types of debris
3. Wheels	Semi Pneumatic All Terrain Tires
4. Hitch	The plug-in design is used only with approved vehicles



Warning

Read and follow all assembly and operating instructions. Failure to properly assemble this equipment could result in serious injury to the user or bystanders, or cause damage to the equipment.

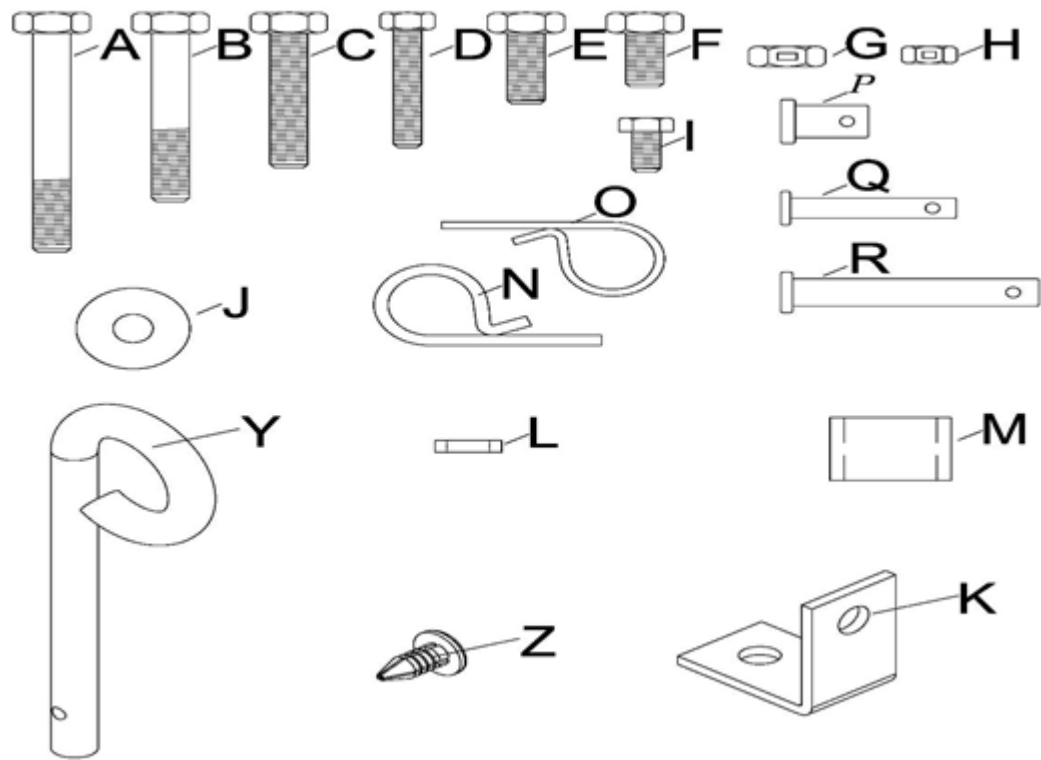
Components and assembly of the leaf catcher

Take all parts out of the box and inspect the components to make sure no parts are missing before beginning to assemble the accessory, follow steps 1 through 8.

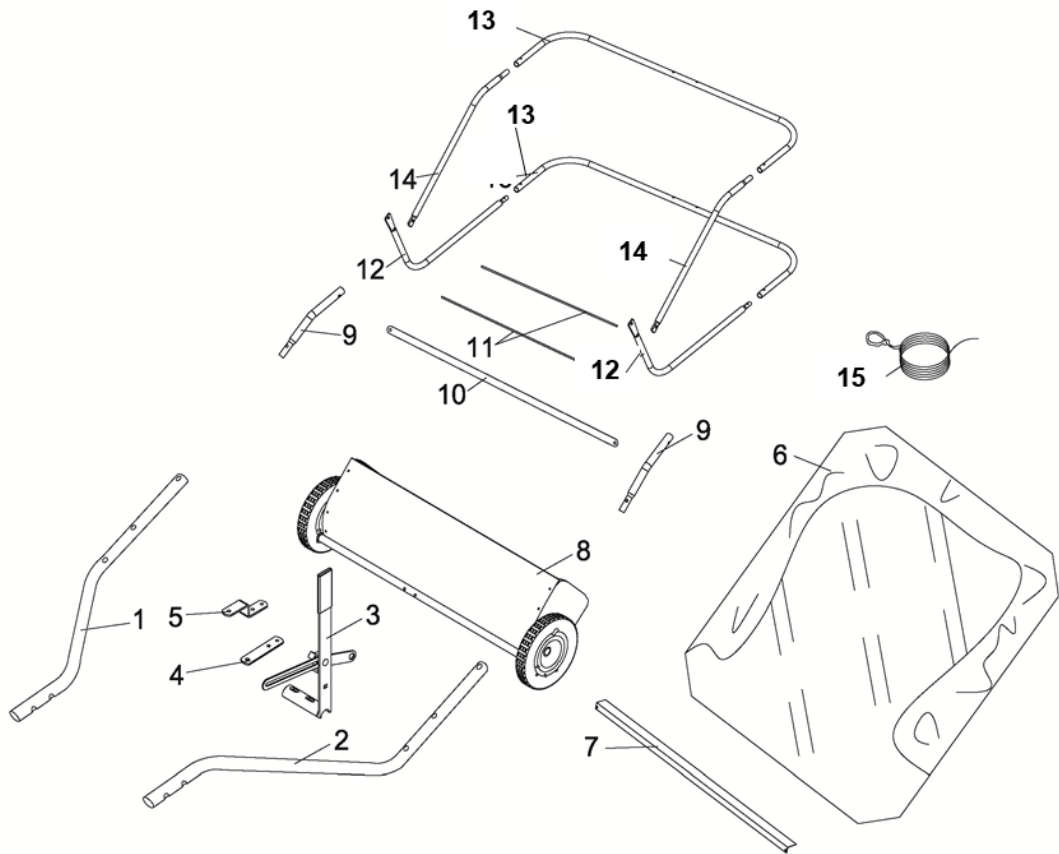
Tools required for assembling the equipment

- 10, 13 and 14 mm wrenches
- Pliers

3. Components and parts of the ATH42 accessory



Part	Quantity	Description
A	2	Hex bolt M8x65
B	2	Hex bolt M8x50
C	2	Hex bolt M8x40
D	4	Hex bolt M6x40
E	1	Hex bolt M8x20
F	1	Hex bolt M8x16
G	8	Nylon M8 Lock Nut
H	6	Nylon M6 Lock Nut
I	2	Hex bolt M6x12
J	1	Ø8 large flat washer
K	1	Angle bracket
L	1	Adjustable post spacer
M	2	Hitch spacer
N	5	R Pin Ø3
O	4	R Pin Ø2
P	2	Clevis pin Ø9.5x25
Q	4	Clevis pin Ø6x37
R	2	Clevis pin Ø8x59.5
Y	1	Hitch pin
Z	4	Plastic lid

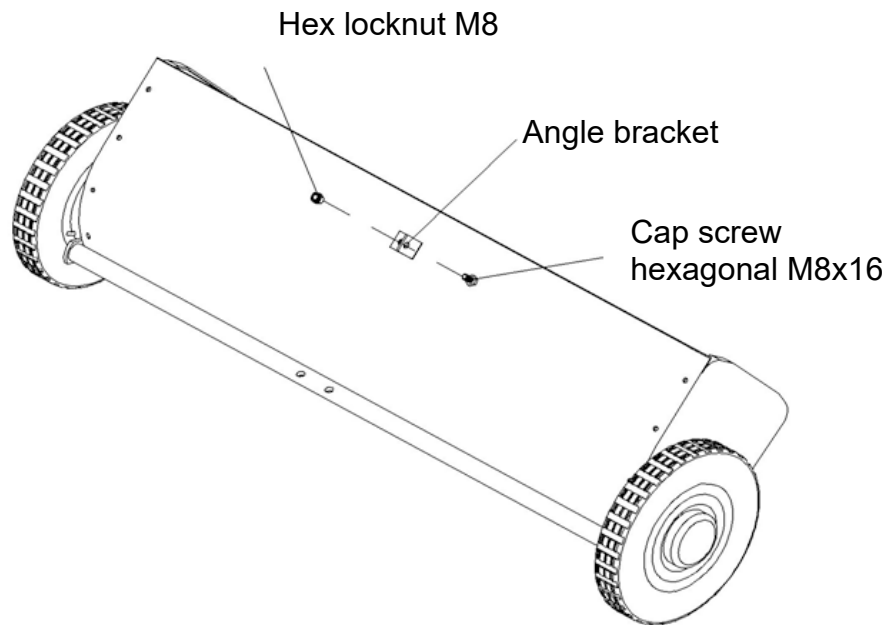


Part	Quantity	Description
1	1	Hitch tube (RH)
2	1	Hitch Tube (LH)
3	1	Handle mounting
4	1	Hitch bracket (straight)
5	1	Hitch bracket
6	1	Hopper bag
7	1	Connecting rod
8	1	Sweeper Housing Assembly
9	2	Bag arm tube
10	1	Bag Frame Strap
11	2	Hopper support rod
12	2	Lower hopper side tube
13	2	Rear hopper tube
14	2	Upper Hopper Side Tube
15	1	Rope

4. Assembly instructions

Step 1: Attach Angle Bracket to Sweeper Housing

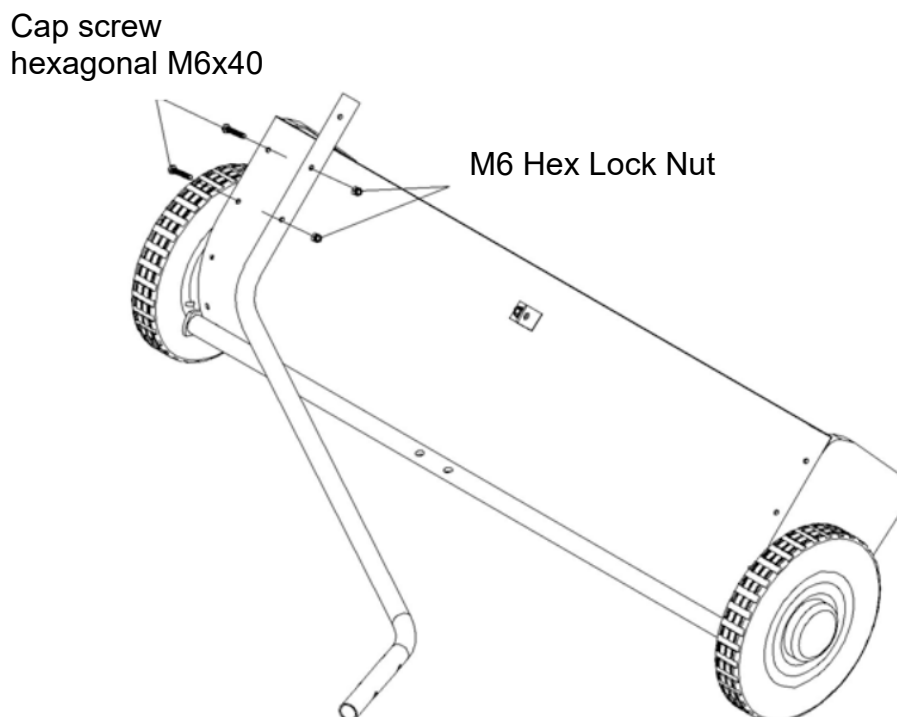
- Make sure the bracket is rotated as shown and aligned straight with the housing and tighten.



- Right hand (RH) and left hand (LH) are determined from the operator's position while seated in the vehicle.

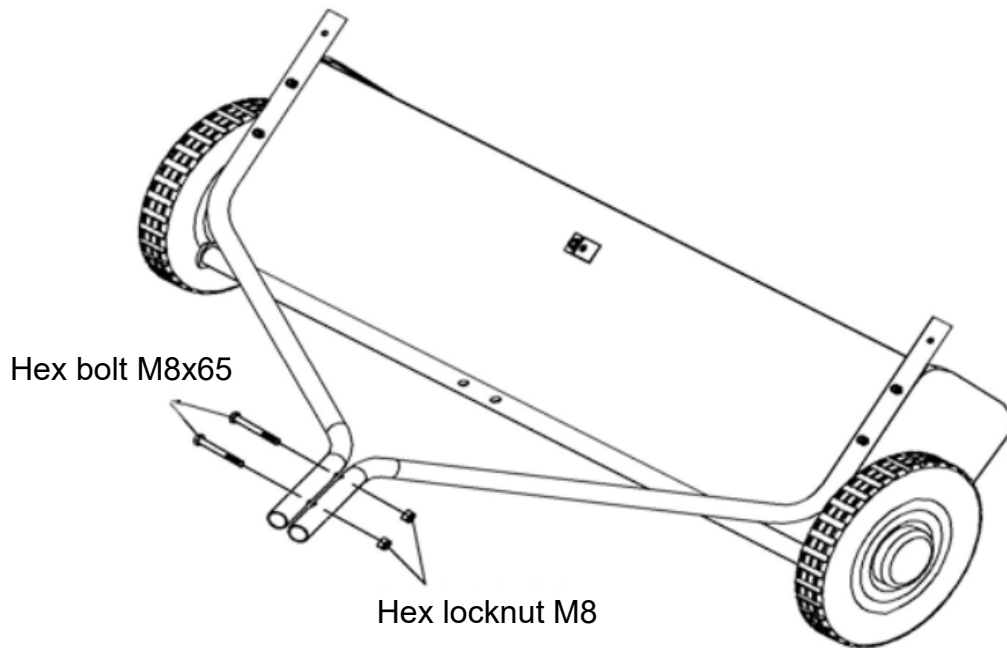
Step 2: Connect Hitch Tubes to Sweeper Housing

- Assemble right hand hitch tube to sweeper housing with M6x40 hex bolt and M6 locknut. Slightly tighten.
- Repeat for the LH hitch tube, lightly tighten.



Step 3: Clip the Hitch Tubes Together

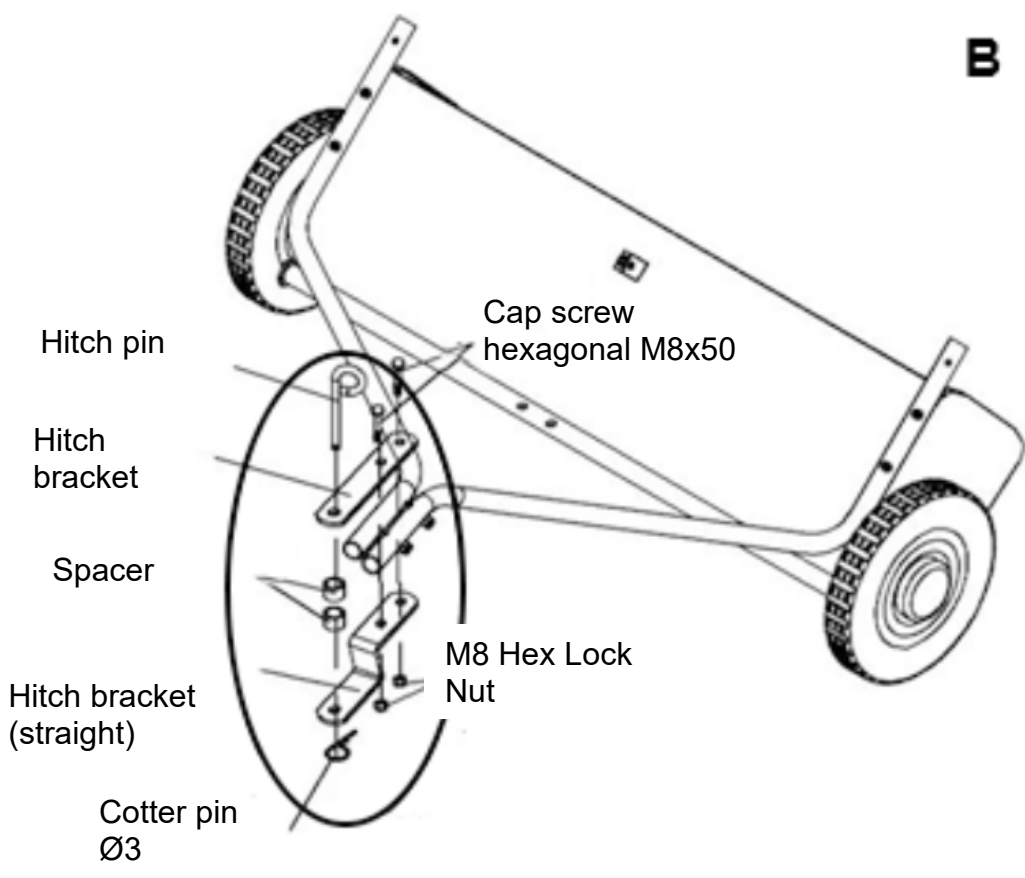
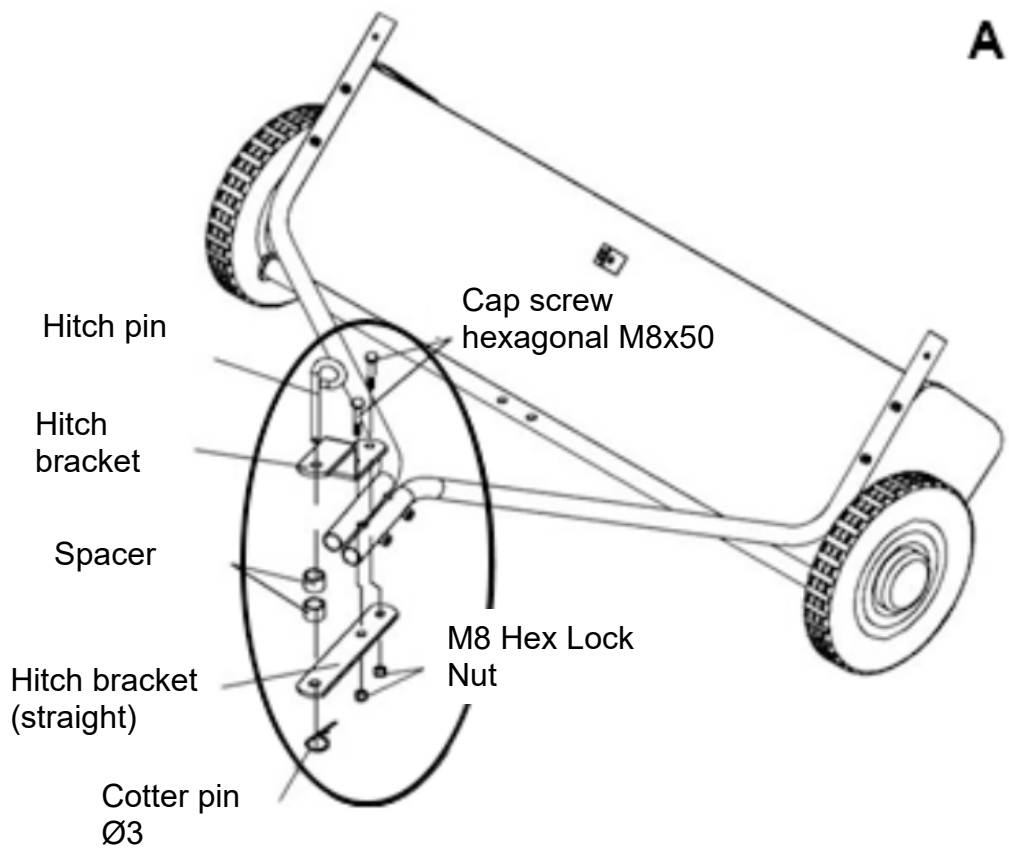
- Tighten both hitch tubes with two M8x65 hex bolts and M8 locknuts. Slightly tighten.



Step 4: Attach the hitch bracket to the hitch tubes

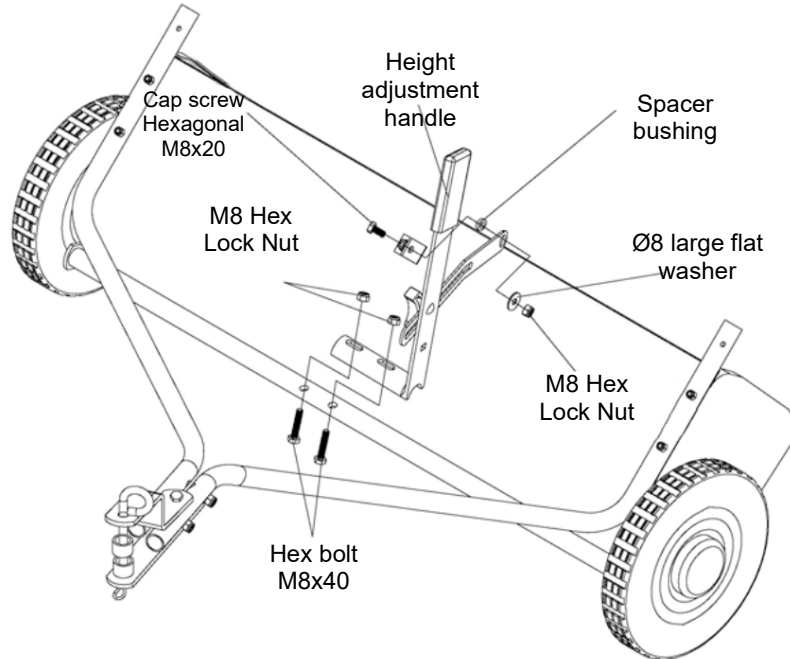
- Attach the hitch bracket to the hitch tubes with two M8x50 hex bolts and M8 hex locknuts. The bolts should straddle the front hitch tube bolt. Slightly tighten.
- Tighten the four bolts that secure the hitch tubes to the sweeper housing.
- Next, tighten the two bolts that hold the ends of the hitch tubes.
- Then tighten the two bolts that secure the hitch brackets to the hitch tubes.
- Pass the hitch pin, spacers, and clevis pin through the hitch brackets.
- Before proceeding to the next step, make sure all hardware is tight.

Note: If your vehicle hitch has 11-13 inches of ground clearance, use the straight hitch bracket (figure A). If your vehicle hitch has 8 to 11 inches of ground clearance, use the other hitch bracket (figure B).



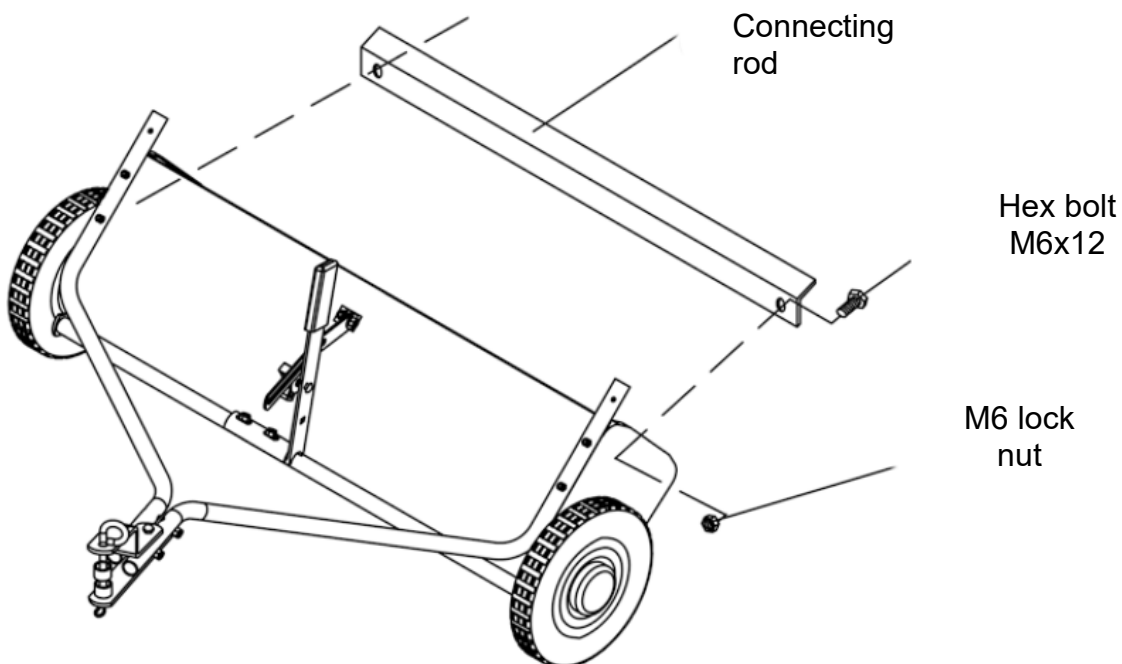
Step 5: Assemble the Handle Assembly

- Attach the height adjustment handle to the height adjustment tube with two M8x40 hex bolts and one M8 locknut. Slightly tighten.
- Insert an M8x20 hex bolt through the angle bracket.
- In the following order, fit the spacer sleeve, height adjustment strap, Ø8 large flat washer, and M8 locknut and tighten.



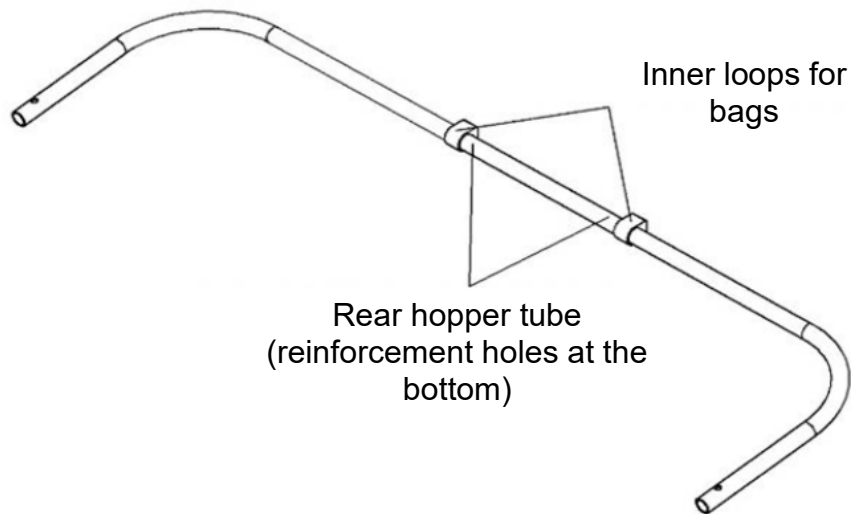
Step 6: Attach the crank

- Attach connecting rod to sweeper housing with two sets of M6x12 hex bolts and M6 locknut.

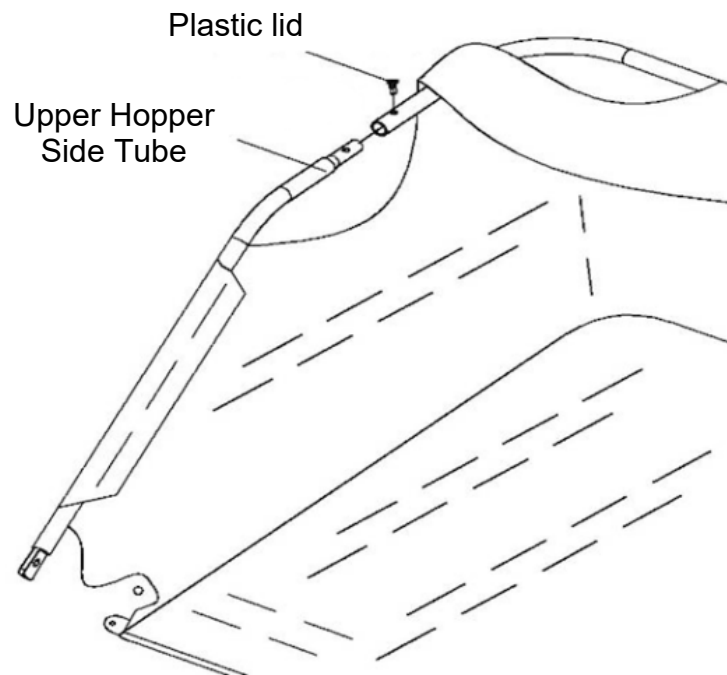


Step 7: Assemble the Hopper Bag

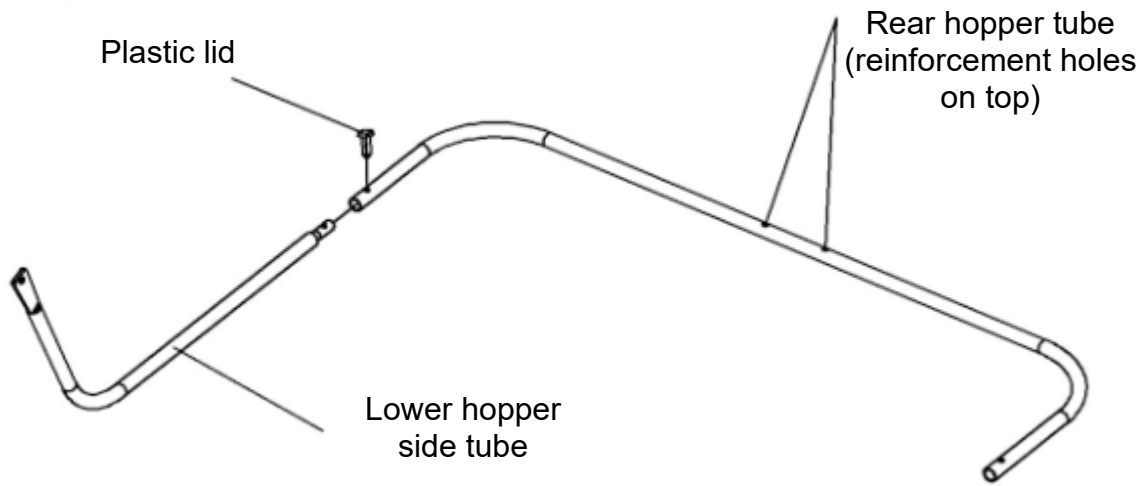
- Position the rear hopper tube so that the brace holes are in the middle and the tube is facing down.
- Put the tube through the two loops sewn at the top of the back seam inside the bag.



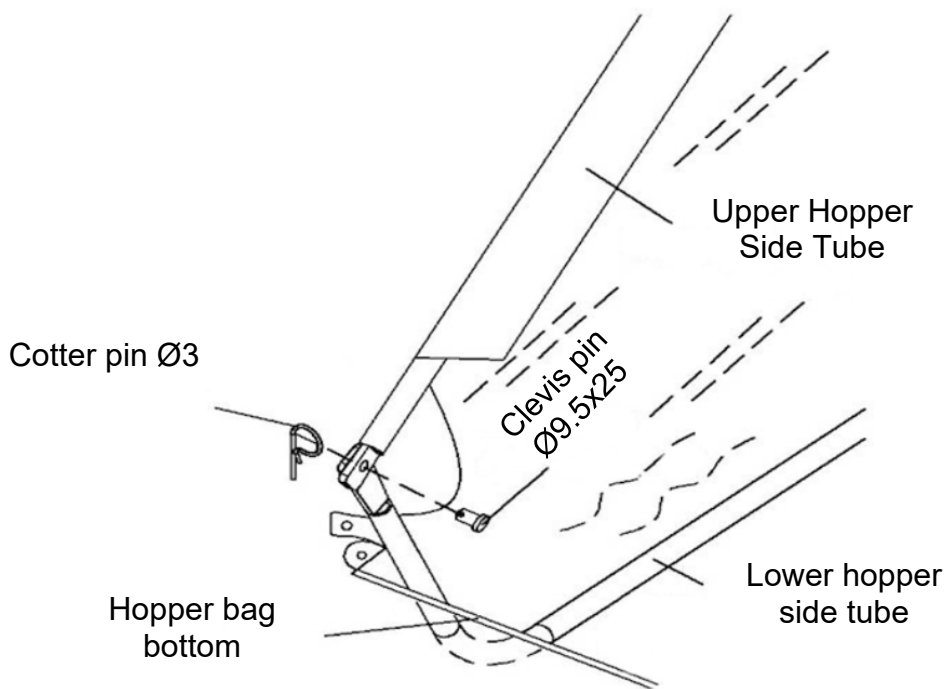
- Insert the two side tubes of the top hopper through the sewn flaps on each side of the bag.
- Insert the ends of the rear hopper tube into the ends of the upper hopper side tubes. Secure with the plastic plug.



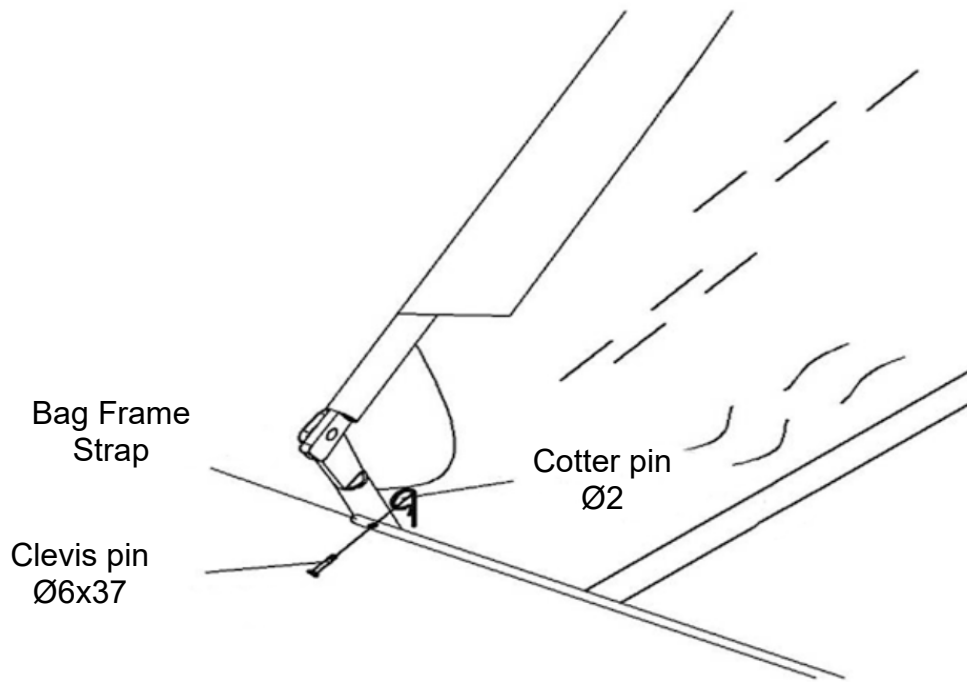
- Rotate the second rear hopper tube so the brace holes are in the middle and the tube is facing up.
- Connect the ends of the rear hopper tube to the ends of the lower hopper side tubes. Secure them with plastic plugs.



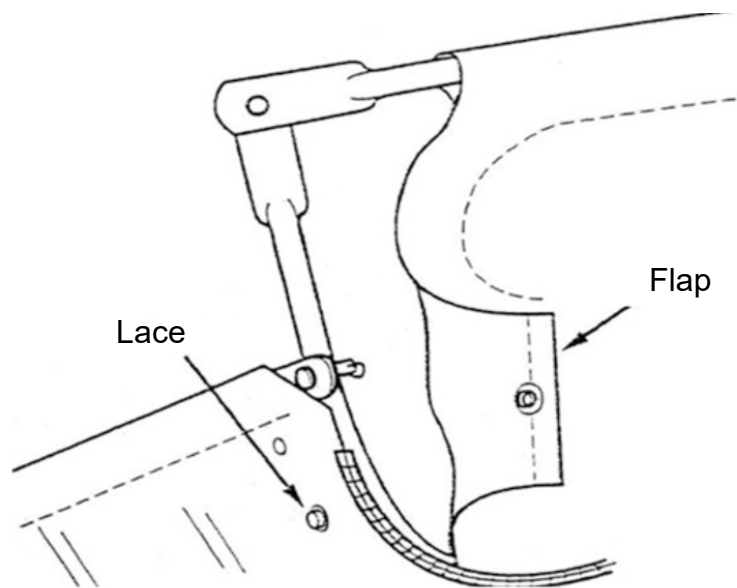
- Place the lower hopper tube assembly in the bottom of the bag.
- Connect the ends of the bottom side tubes into the top side tubes with two $\text{Ø}9.5 \times 25$ clevis pins.
- From inside the bag Insert the two $\text{Ø}3$ hair clips.



- Insert the bag frame strap into the sewn sleeve along the front edge of the bag base.
- Attach the bag frame strap to the lower hopper side tubes using two $\text{Ø}6 \times 37$ clevis pins and two $\text{Ø}2$ cotter pins.



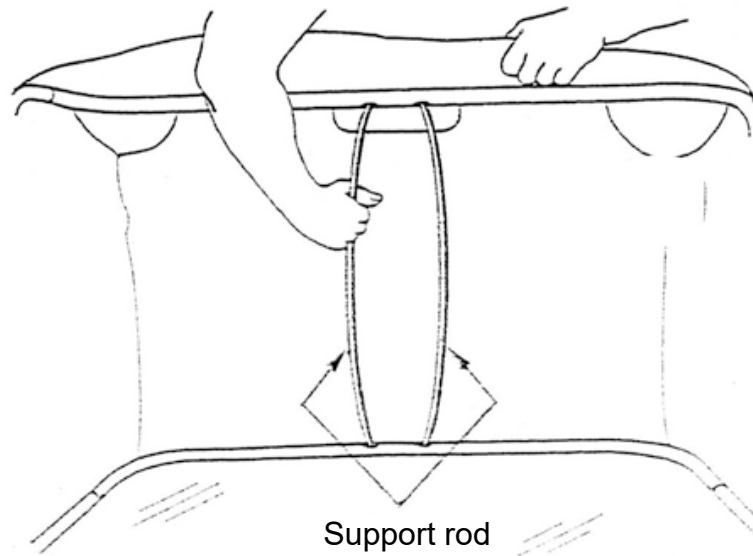
- Secure the corners of the bag around the lower hopper side tubes by adjusting the bag flaps to the bottom of the bag on both sides.



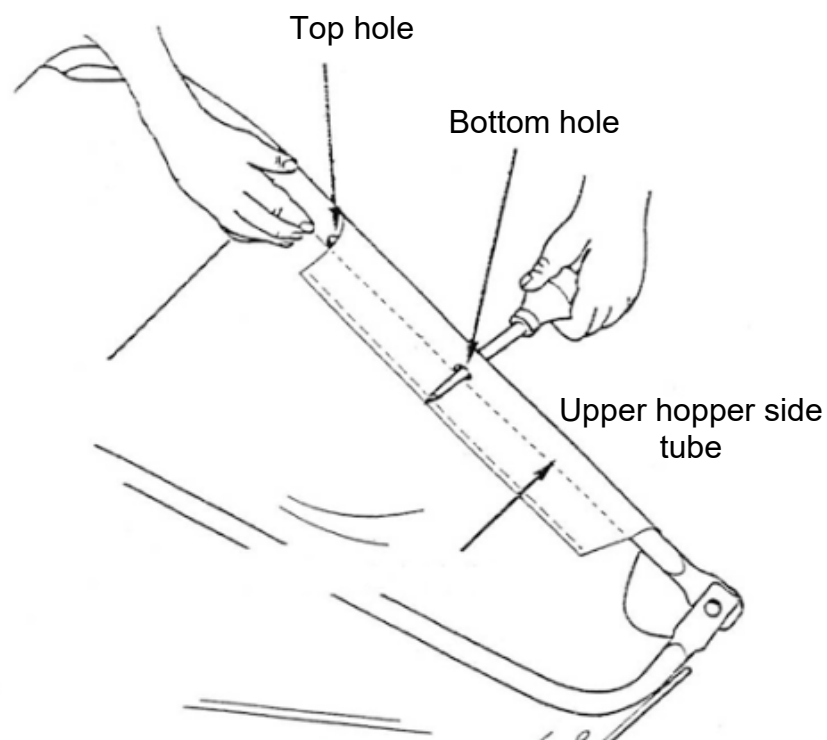
Caution

Do not bend the support rods too much during the following steps. Excessive bending will cause the steel rods to lose support tension.

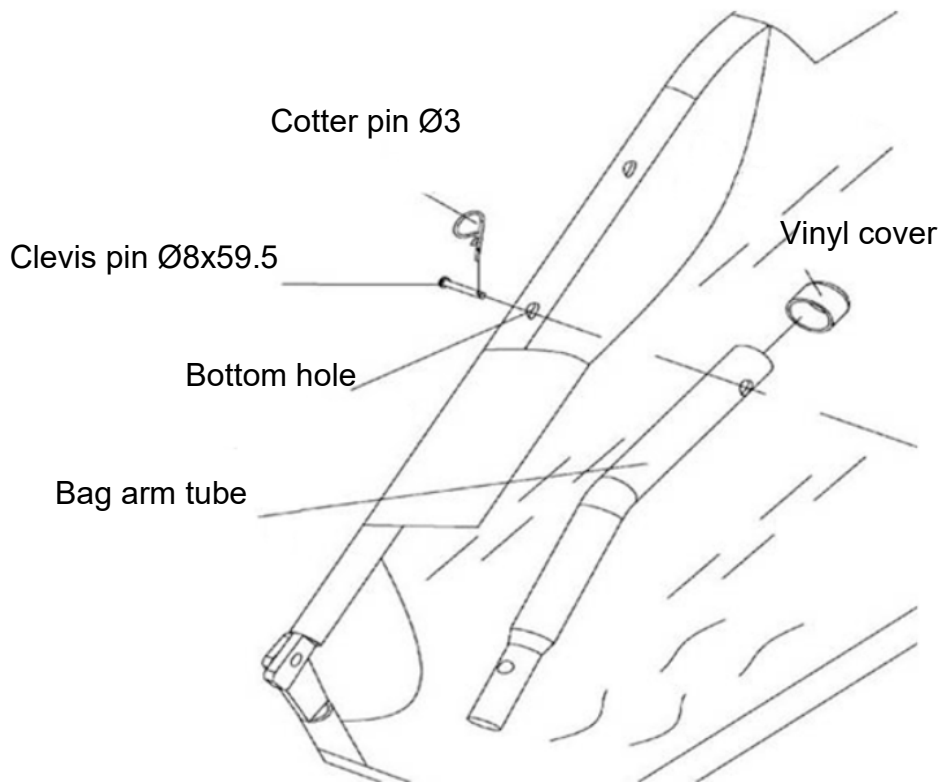
- Tilt the hopper back to insert the two hopper support rods.
- Place the ends of each rod into the upper and lower rear hopper tubes by bending the rod just enough to fit into the holes in the tubes.



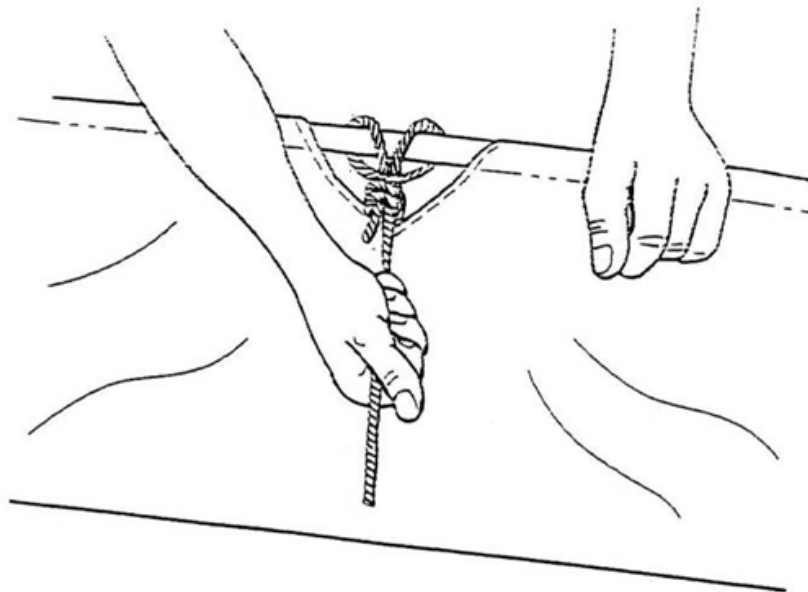
- Feel along the sewn flap on the hopper bag to locate the bottom hole in each top side tube of the hopper. Place a hole through both sides of the stitched flaps in alignment with the bottom hole.



- Insert a Ø8X59.5 clevis pin through the bottom hole in each of the upper side tubes of the hopper.
- Place a bag arm tube on each clevis pin and secure with a Ø3 clevis pin.

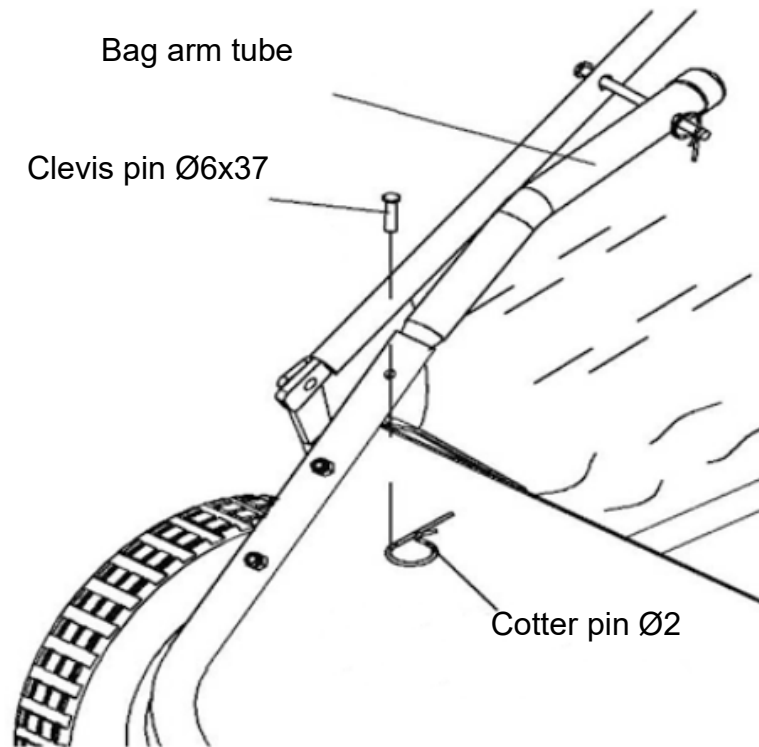


- Secure the rope to the top center of the hopper bag frame.



Step 8: Connect Hopper Bag to Sweeper

- Slide the ends of the bag arm tubes into the ends of the sweeper attachment tubes and secure with two Ø6X37 clevis pins and Ø2 clevis pins



- Tighten all hardware before using the sweeper.

5. Start-up instructions

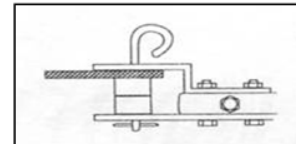
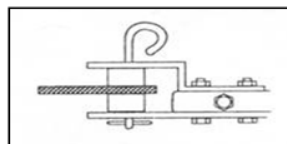
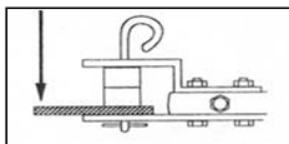


Warning

Before using the leaf catcher, review the instructions below and the safety information. Failure to follow these instructions can result in product damage or injury to the operator and bystanders.

Connect the attachment to the riding mower

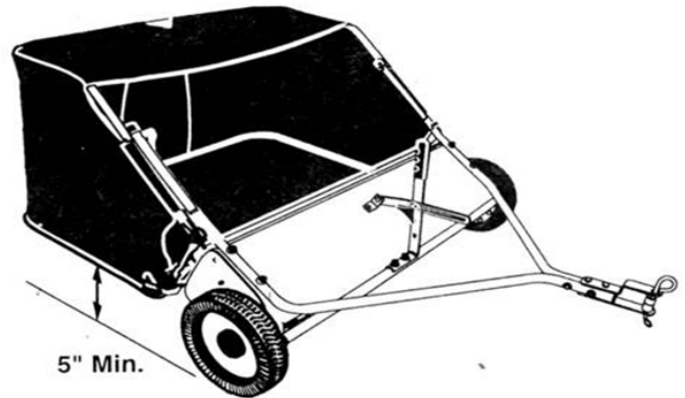
- Make sure tow vehicle and sweeper are on a level surface.
- Set the sweeper's height adjustment handle to the middle position.
- Attach the sweeper to the vehicle hitch using the spacers to make the bottom of the sweeper bag as level with the ground as possible.



Note: For best performance, the bottom of the sweeper bag should be level with the ground with a clearance of at least 5".

Using the accessory

- Adjust the height of the sweeper brush. The best brush setting is ½" on the lawn. Always mow to a uniform height before sweeping.
- For best sweeping results, do not exceed 5 mph. In some cases, it may be better to operate and less than 5 mph.
- Always secure and lock the sweeper to the vehicle hitch before operating.
- When unloading the sweeper, pull the rope forward to unload the hopper. Always empty the hopper after each use.



Caution

- Never attach the chute rope to any part of your body or clothing.
- Never hold on to the rope while towing the sweeper.
- Just connect the rope to the tow vehicle to keep it away from wheels and rotating parts.
- Keep the sweeper away from fire or excessive heat will damage the brushes and bag.

6. Maintenance and storage



Warning

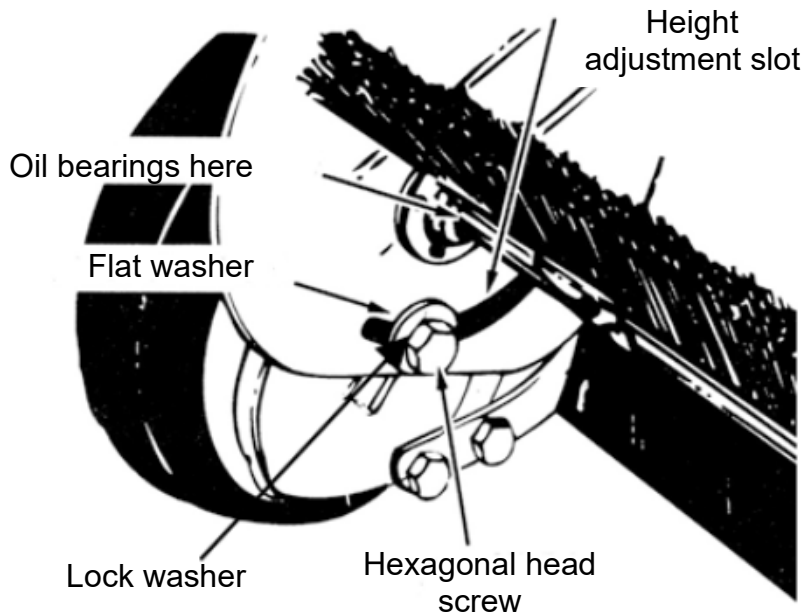
Improper maintenance and storage of the sweeper may void your warranty.

Maintenance

- After each use, clean the material in the hopper.
- Rinse / dry the interior and exterior of the sweeper after each use.
- Remove any material that has wrapped around the brushes.
- Periodically check that all fasteners are tight.
- Apply a few drops of multi-purpose light oil to the brush shaft bearings twice a year.
- Clean annually and lightly lubricate all moving parts.
- Every two years remove and clean the gears and apply an even coat of light synthetic grease.
- Use a gloss enamel spray paint to touch up worn or scratched painted metal surfaces.
- Never exceed the loading capacity of the hopper, as it will damage the bag.
- Rinse / dry the interior and exterior of the sweeper after each use.
- Grease the axle and wheel bearing area regularly or as needed.
- Periodically check that all fasteners are tight.

Lubrication

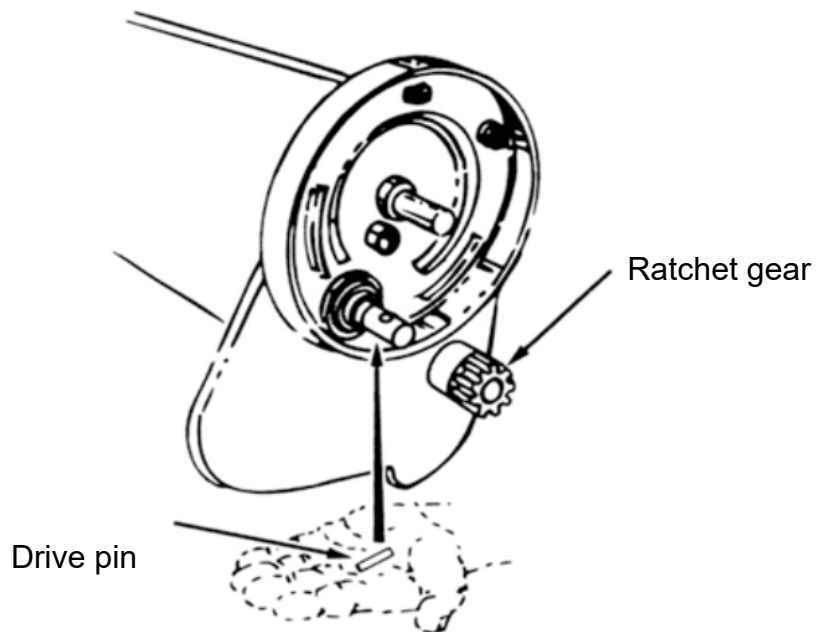
The sweeper bearings have been pre-lubricated at the factory. However, it is recommended that a few drops of light multipurpose oil be added to the brush shaft bearings twice a year. In addition, the wheels should be removed from the gears too clean every two years. After cleaning, apply an even coat of light synthetic grease.



Note: To remove the wheel, use a screwdriver to remove the hub cap, remove the locknut and washer.

Wheel / Ratchet Gear Service

- Do not remove both wheels at the same time.
- Remove one wheel at a time to avoid using the wrong parts for the opposite side (the left and right sides are different).
- When removing gears, note the position of all washers and other parts.

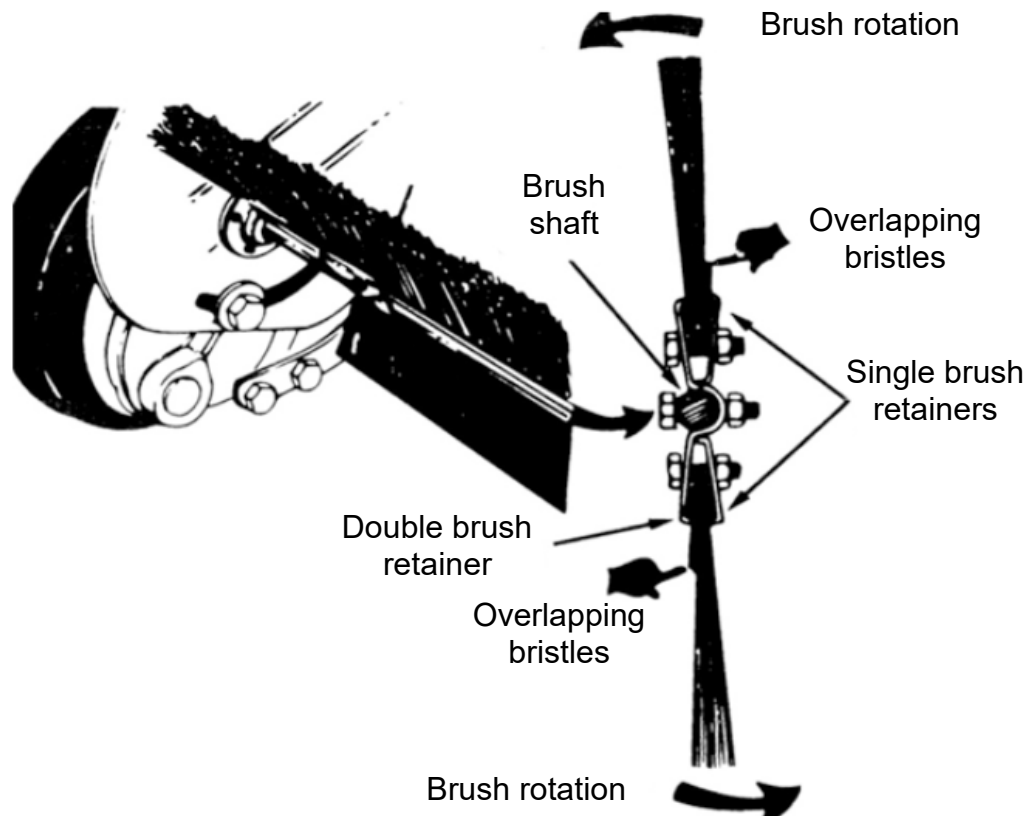


Brush replacement

- Remove the hopper bag from the lawn sweeper.
- Only replace one brush at a time.
- Tilt the sweeper forward over the housing. Do not remove the hex bolts from the double brush retainers.
- Loosen the hex bolts and hex locknuts from the brush retainers. Slide the brush out of

the retainers, noting the position of the overlapping bristles.

- Install a new brush, make sure the overlapping bristles are in the old position.



If a part needs to be replaced, use only parts that meet the manufacturer's specifications. Replacement parts that do not meet specifications may result in a safety hazard or poor performance.



Warning

Before storing the sweeper always empty the hopper bag to avoid spontaneous combustion.

Storage

- Empty the hopper bag before storing the sweeper.
- Clean the sweeper and hopper thoroughly to help prevent rust and mold.
- Before storing, make sure the sweeper is clean and dry for years of trouble-free service.
- Fold up the hopper bag for storage, remove the two support rods from the rear of the hopper.
- Lightly lubricate all sweeper surfaces and moving parts to prevent rust.
- Store indoors or in a sheltered area during severe weather and winter months.

7. Technical data

Frame construction	Steel
Hopper construction	Nylon mesh
Hitch type	Pin style
Wheel type	Semi-pneumatic
Working width	38 "
Wheel size	10 "
Working width	42 "
Wheel size	10.5 "

8. Environment



Protect the environment. Recycle the oil used by this machine by taking it to a recycling center. Do not pour used oil into drains, land, rivers, lakes or seas.



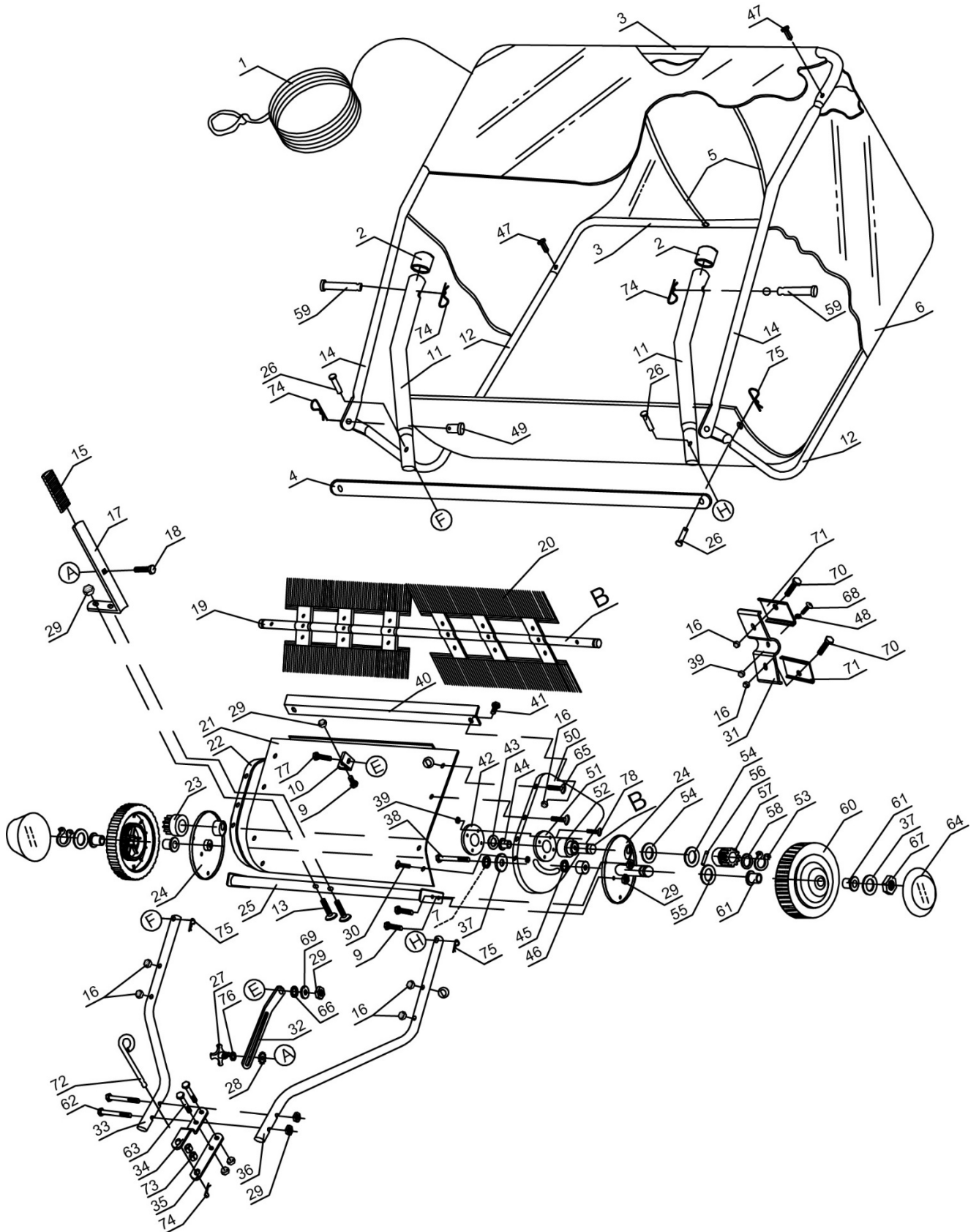
Dispose of your machine in an environmentally friendly way. We must not dispose of machines together with household garbage. Its plastic and metal components can be classified according to their nature and recycled.

The materials used to pack this machine are recyclable. Please do not dispose of the packaging in the household waste. Dispose of these packages at an official waste collection point.

9. Exploded view

ALNOVA®

ATH42



10. CE conformity declaration

DISTRIBUTION COMPANY

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SPAIN



ALNOVA

CE DECLARATION OF CONFORMITY

In compliance with the different CE directives, it is hereby confirmed that, due to its design and construction, and according to the CE mark printed by the manufacturer on it, the machine identified in this document complies with the relevant and fundamental requirements in health and safety. of the aforementioned CE directives. This declaration validates the product to display the CE symbol.

In the event that the machine is modified and this modification is not approved by the manufacturer and communicated to the distributor, this declaration will lose its value and validity.

Machine name: LAWN TRACTOR BLADE COLLECTOR

Model: ATH42

Recognized and approved standard to which it conforms:

directive 2006/42 / EC

Tested according to the standards:

EN ISO 12100: 2010
EN 349: 1993 + A1: 2008,
EN 953: 1997 + A1: 2009
EN ISO 13857: 2008

Company seal

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09/02/2016