

EKO Sweep MK2 Paddock Groomer



Use and care booklet

Production #

Introduction

While the Paddock groomer was first introduced 10 years ago as a horse manure collector it can also clean paddocks of other debris like, clods of dirt, small sticks, small amounts of leaves, drink cans, plastic bottles, other types of animal manure like, alpaca, goose and many other types. It is truly a paddock groomer.

It will not pick up large amounts of leaves as the tines tend to act as a bulldozer and push the leaves in front of the machine.

Do not attempt to pick up from a newly mowed hay paddock.

The long grass will wrap around the bush.

Paddock Groomer

Instructions for proper use of the paddock groomer

If the machine is delivered to you by the factory it will be ready to start working with just the brush height to be set for your conditions or height of drawbar on your towing vehicle. If the drawbar is a goose neck type it will fit any tow bar up to .350mm off the ground. Other drawbars for higher tow bars are available at the time of ordering your machine.

The draw bar must be raised to maximum height to tow to and from job sites. This is achieved by using the winder handle at the front of the machine.

When on site lower the machine by use of the winder to a height with the brush bristles just touching the ground. This can be adjusted up and down a few mm depending on your terrain and speed you wish to travel.

Towing speed is best at walking pace. But can be faster or slower depending in terrain.

If the machine is shipped to you there are some simple assembly instructions.

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- (a) The drawbar is fitted by first pulling the top of the spring out and sliding the pinned end through the archway and slipping the spring into the hole under the drawbar, then select the correct height for your tow bar and put the pin with the 'R' clips in either side to lock in place.
- (b) The body, if an export model, can be attached, first by bolting the front to the cross member with two bolts provided then bolting the back down with two bolts provided. The large washers go on the inside/front.
- (c) Fit the front cover by screwing a self-tapper to each side, holes are pre drilled and bolts supplied.
- (d) Slide the catcher into the body
- (e) Fit the loading top lid with bolts on either side, holes are pre drilled and bolts supplied.

You will need a small adjustable shifter spanner and a 13mm open end / ring spanner.

Using the machine in wet conditions will cause the filling chute to clog up similar to a lawnmower cutting wet grass.

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Paddock Groomer

You can open the top loading access lid and shift the debris back into the holding tray cavity and keep going.

Do not over fill as this makes the holding tray heavy and unmanageable. Empty out as often as possible for ease of use.

You can manually load hard to get piles of manure such as corners or edges of paddock by opening the top loading lid and forking it in or just scrape it out to where the machine can pick it up.

Because for the possible build-up of overflow debris inside the machine it is advisable to hose down after use and clear drain holes.

The polyethylene body is UV treated and has a life expectancy of at least 20yrs outside use.

All the bearings are sealed and a bit of oil on the chain is the only maintenance needed.

Unless you use the brush to sweep your driveway (not recommended) your brush will last for years and can be replaced very simply in the event of wear.

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Instructions Continued

Periodic Maintenance

One small shot of grease to all four bearings and the front winder shaft once a month when in use or every fifty hours. Do not over grease, bearings.

Put a few drops of oil on the chain when in use.

Chain adjustment

Loosen the twelve mm bolt and slide down slot until chain is snug, retighten bolt. Do not over tighten/ charm.

Brush adjustment

Undo bolts on both sides of chassis and select a slotted hole that allows the brush to touch the ground when the groomer is at rest. If you only clean paddocks you should not have to do this for at least a couple of years.

General Maintenance

Wash the chassis down with a hose to remove manure once a month.

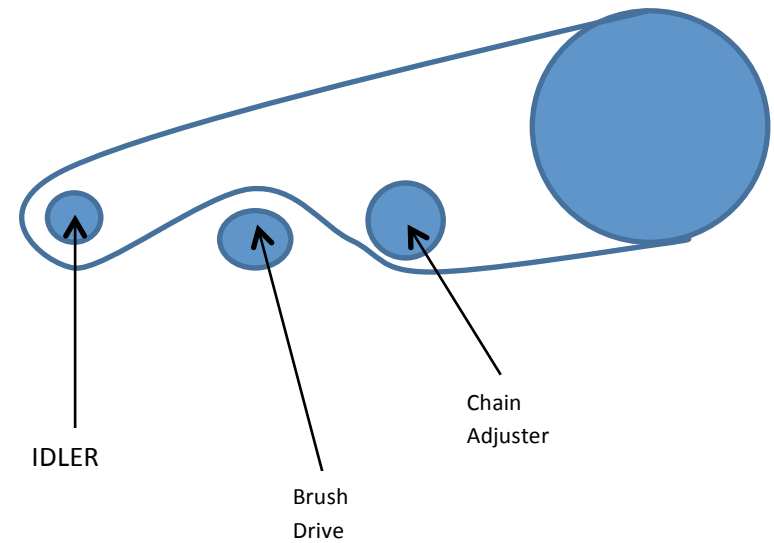
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Paddock Groomer

The body is Polyethylene, easily repaired if damaged by accident, is impervious to most chemicals and is UV stable which means it can be stored outside but covered is preferred, mainly for the life of the tyres.

Chain Replacement

Follow the diagram for correct installation of the chain to drive the brush counter clockwise.



Paddock Groomer

Draw bar fitting

Remove front cover by removing the 2 screws in front

Slide drawbar through front aperture ensuring spring is in the 2 capture holes

Remove rear pin and refit through same hole and draw bar

Wind handles down until spring is loaded and refits cover.

Do this for at least a couple of years.

Brush replacement

If the brush is less than fifty mm long there will be a loss of pickup.

- Remove wheels on drive side
- Remove plastic cover
- Remove chain
- Undo two bolts holding side bearing
- Remove plastic cover on opposite side
- Undo grub screws holding bearing to brush axle

- Slide bearing attached to brush axle and small sprocket out of brush and slide into new brush
- Follow reverse of removal instructions

Paddock Groomer

Groomer Parts List

Groomer Consumable Part List		
Part	Part#	Price
Chassis Kit	PG 001	
Two Main wheel assembly's	PG 002	
Two front wheel assembly's	PG 003	
Two brush bearings	PG 004	
Two main axle bearings	PG 005	
Winder handle	PG 006	
Winder assembly	PG 007	
One brush	PG 008	
Left bearing dust cover	PG 009	
Right bearing dust cover	PG 010	
Nose cover	PG 011	
Tray	PG 012	
Body lid	PG 013	
Main body	PG 014	
Tines	PG 015	
Draw bar #1	PG 016	
Draw bar #2	PG 017	
Draw bar #3	PG 018	
Tow hitch	PG 019	
Spring	PG 020	
Drive sprocket	PG 021	
Idle sprockets	PG 022	
Brush drive sprocket	PG 023	
Brush side cover	PG 024	
Canvas Cover	PG 025	

Trouble Shooting

Groomer Trouble Shooting

Problem

Suggestion

Will not pick up manure

Brush not turning

Chain wrong

Brush worn

Stick or debris jammed in Shute

Brush not at the right level

Manure or debris under the tray

Paddock Groomer

There are several reasons why the brush will not turn, sticks jammed against the body, string or long grass wound around brush and caught on tines, bearings seized, chain is off.

The chain turns the brush anti-clockwise.

The brush is worn if the bristles are less than 50mm long. Do not use the groomer to sweep your driveway; it wears the brush out quickly. Make sure you raise the brush when travelling to and from your work area.

You will find the level that suits your style of driving but normally 25mm above soil is good.

Manure can build up under the tray and hold it up in the air stopping manure from getting in. Clean out the body area periodically when you are dumping out tray

Additional User Information

The pin height adjustment found underneath at the base of the tow bar can be altered to ensure your paddock groomer brushes and spring mechanism can work effectively with different height towing vehicles. Access by either removing the plastic guard or tip your paddock groomer on its end

- You can use the lid on top of the paddock groomer to either add any heavy/ large debris not collectable by the groomer or manure located in difficult driving locations, or to check how full the tray is.
- Expect that it may take a few uses of the paddock groomer to learn the speed and driving technique required to best collect manure and debris, as well as how high/low to adjust the brushes for your individual paddock terrain, debris or manure type (e.g. very old dry scattered manure compared to 4 day old manure may require slightly different settings). If you drive too fast or have a very bumpy paddock your paddock groomer may bounce off the ground too often for the brushes to work efficiently,

Paddock Groomer

or if you drive too slowly the brushes will be unable to sweep debris up into the collection tray. Brisk walk jogging pace usually works well. It is very important to remember that if the brushes are set too low or hard against the ground it may cause undue distress to the machine and/ or towing vehicle and may also end up smearing the manure instead of correctly flicking it up into the collection tray.

- Horse manure located in longer clumps of grass or on uneven terrain may require you to drive over it a few times from different directions to enable the manure to be collected.

We suggest giving the collection tray, brushes and chain drive a thorough hose clean on occasion to ensure optimal performance (especially if used during wet, muddy conditions)

For more info visit www.EkoSweep.com

Contact Details:

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