



Kellfri[®]

35-GUB120B

ENGINE-POWERED SWEEPER ATV



CAREFULLY READ THE OPERATING INSTRUCTIONS BEFORE USING THE PRODUCT!

OPERATING INSTRUCTIONS TRANSLATED FROM ORIGINAL

INTRODUCTION

Thank you for choosing a product from Kellfri AB. Compliance with the general safety instructions, operating instructions and common sense will guarantee many years of enjoyment using the product. Kellfri's equipment and products are aimed at self-employed farmers who have stringent performance demands.

PRODUCT DETAILS

Engine-powered sweeper for leaves, grass and sweeping of hardened surfaces, for ATVs or smaller tractors with a 50 mm tow bar ball hitch. Stiff brushes effectively sweep up loose materials and discharge them into the hopper that holds approx. 500 l/150 kg. Variable sweeper roller adjustment using a crank, substantial front grassland tyres and spring-loaded rear pivot wheels, and hopper is easy to empty with manual winch. 5.5 hp petrol engine powers the sweeper roller via a centrifugal clutch and belts, the engine is fitted with an oil level monitor which shuts down the machine at low oil levels.

The 120 cm working width makes it an effective tool when collecting leaves and grass from lawns and parks, as well as sweeping hardened surfaces such as machinery hall floors, tarmac, etc.

THE MACHINE'S FUNCTION

The equipment is intended solely for sweeping grass and leaves.

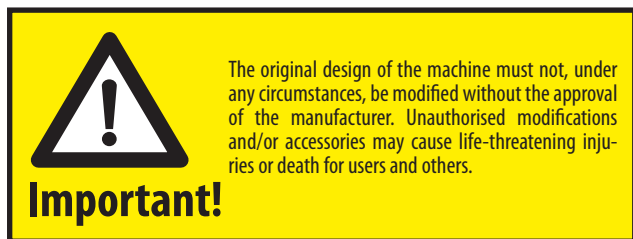
TECHNICAL DATA	35-GUB120B Petrol-driven
Dimensions (L x W x H)	300 x 152 x 86 cm
Working width, m	120 cm
Wheel designation	16 x 6.50-8 13 x 6.5-5
Engine	5.5 hp
Engine oil, type L	SAE 10W-30
Oil level, L	0.8
Weight, kg	265 kg

SAFETY INSTRUCTIONS

Before using the equipment, and for the safety of yourself and others, you must read the instruction manual and understand its contents. Always keep the instruction manual easily accessible for the user of the equipment. It is a good idea to read the safety instructions periodically from time to time, both for your own safety and that of others. It is important that the user understands that common sense and general caution are not built into the product, but must be supplied by the user.

If the instructions manual is damaged or otherwise unusable, please contact and order a new one from: Your retailer

The general safety instruction is also available from Kellfris website: www.kellfri.co.uk
Do not use the equipment or product if you feel ill, tired or are under the influence of alcohol. Do not use the equipment or product if you are taking prescribed medication or drugs, suffering from severe depression or mental illness. Always comply with general rules of the road and applicable rules stipulated by the Swedish Protection of Animals Act. People under the age of 15 are not allowed to use the equipment.










PRODUCT SAFETY INSTRUCTIONS

- Never put your hands or feet under the machine without first stopping the equipment and turning off the engine
- Never leave the equipment with the engine running. Turn off the engine when you leave the equipment – even for a short period.
- Always disengage the machine before performing a service or maintenance work.
- Only the operator may be present in the vicinity of the machine while in operation.
- Do not use the machine without having all guards correctly mounted
- Do not run the engine in an enclosed space, as the exhaust fumes contain carbon monoxide, which is lethal if inhaled.
- Do not use the machine on steep slopes.
- Do not try to remove objects that have got caught while the engine is running. Ensure that the engine has stopped and that the brushes have stopped rotating before taking any measures.
- Do not use the machine when it is dark unless adapted spotlights are used
- Do not run the machine if it is vibrating substantially, stop the machine immediately and check what is wrong. Rectify the fault before using the machine again
- Do not alter the engine settings unless specified by the engine manufacturer
- Do not use the machine until all precautionary measures have been taken
- Never let anyone ride on the machine!!

WARNING DECALS

Make sure warning decals are always visible and clean them when necessary. Do not use a high-pressure washer directly on the warning decal. If a part with a decal is replaced or becomes worn or in any other way unusable, order a new set of decals.

SYMBOL	EXPLANATION
	Read operating manual Stop the engine when carrying out repairs
	WARNING! Rotating power take-off!
	WARNING! ejector! Risk zone 5 m
	WARNING! Rotating parts
	WARNING! Keep off the machine
	WARNING! Risk of accidents to children
	The equipment is CE marked

INSTRUCTIONS FOR EMERGENCY SITUATIONS

In case of emergency, call 112.

Always have a mobile phone or emergency phone available when working alone. A first aid kit and fire extinguisher must be kept in an easily accessible location when carrying out any work, maintenance and service.

PERSONAL PROTECTION

Always use suitable clothing and shoes. Do not wear loose clothing or jewellery while working with the equipment or the product. Long hair should be tied up when working with equipment that has moving parts. Use protective gloves as there is a risk of burns if any hot surfaces are touched such as exhaust pipes, and avoid getting oil and petrol on skin. Ear defenders must be worn whilst the engine is running.



SURROUNDINGS

Check that the work area is free from bystanders, children and objects before hitching or using the equipment. There is a risk of serious bodily harm. Be extra careful if there are children in the vicinity of the area where the equipment or product is used or stored. Check that there are no low-hanging electrical cables within the work area. Exercise caution when working on slopes and close to ditches. Always work alone with equipment or products that are made for working alone. Remove all rubbish from your work area. Keep work areas clean. Always respect the equipment risk zone.

Do NOT let anyone ride on the machine!!



STEPS TO TAKE BEFORE USE

Carefully read the safety instructions and the operating instructions. Make sure that you understand the safety instructions, operating instructions and warning decals. Use common sense when using the product and suitable personal protective equipment. Always check the performance of the machine combination to be used. It is important that these are in harmony and work satisfactorily together. This is done to ensure the equipment or product work as expected, and to guarantee the safety of yourself and others.

Carry out a visual inspection of the equipment or product before use. Repair or replace damaged or worn parts to reduce the risk of injury. Grease moving parts and check that all nuts and bolts are tightened. Correct if necessary.

Learn and remember the correct working method. Beginners must work slowly until they have learned how the machine or product works. Users/customers are responsible for ensuring users can handle the situation. If users feel that the machine is dangerous to use, it should not be used. Read the tractor's operating manual before connecting the equipment.



Never use equipment or products that have defective safety components.

Warning!

- Check engine oil level, refill when necessary. Note. new machines are supplied without oil, fill before use! Read the engine manual.
- Check the cog belt's tension, adjust when necessary.
- Check that the brushes are not defective, replace when necessary.
- Ensure that all nuts, bolts and installations are securely mounted, that all packing/transport material such as tape, steel bands, rope etc. has been removed.
- Check that there is petrol in the tank
- Check that the tyre pressure is correct
- Ensure before use that all guards are in place and are not able to come loose.
- Connect the equipment to the ATV's tow bar ball coupling.
- Ready for use.



Compliance with the safety instructions requires that the product is only used as described in these instructions. It is the user's responsibility to read through the instructions and comply with them.

Warning!

USE/DRIVING

Only those who understand the safety instructions and the operating instructions may use the equipment or product. Exercise caution and care when working with the equipment and only use it in the way described in the operating instructions. There is a risk of crushing when working with equipment that has moving parts.

Always work alone with equipment that is made for working alone. Never overload the equipment and respect its risk zone.

- Reduce speed when working on slopes and uneven ground.
- Be aware that various parts of the machine can be hot after use
- Follow the guidelines specified for the vehicle (ATV/tractor) used for towing/pulling equipment
- Exercise caution when filling the tank with fuel, particularly if any parts are hot

OPERATION

Ear defenders must be used during operation. Under normal working conditions a sound level of 83 decibels is normal, in this case protection is recommended.

STARTING THE ENGINE

1. Read and understand the engine's operating manual before using the machine
2. Observe all safety regulations: Keep hands and feet away from moving parts.
3. Ensure that bystanders are at a safe distance from the machine.
4. Ensure that there is space between brushes and the ground.
5. Select an area free of loose objects that can be ejected.
6. Turn the choke to the on position and set at idling.
7. Position yourself so that you have a firm grip and good balance.
Pull the starter cord and let it return slowly back to the engine.
8. Allow a few minutes for the engine to warm up while idling, set the throttle at the factory setting for operation in order for the engine to have a normal working speed of max. 3,600 rpm.



Warning!

Altering the throttle setting to increase rpm above the recommendations given can invalidate the warranty. Fuel consumption will increase and major vibrations can arise, leading to danger for personnel and damage to equipment.

DRIVING AND SPEED

The amount of material to be swept up determines the forward speed; low speed usually produces the best results. Ensure that you follow the sequence below. Start with the lowest possible speed, ensure that the machine is working effectively with the engine at maximum rpm without straining. Always adapt the height of the collector.

Increase the forward speed until the engine starts to labour, then slow down immediately and maintain a speed where the engine runs easily. It is important to always listen to the engine to be sure that it is working effectively, slow down or stop if the engine starts to labour.



Warning!

When changing from normal to heavier work, it is usual for the engine to start labouring with an rpm drop. **SLOW DOWN IMMEDIATELY** so that the engine returns to normal rpm and speed. Follow the instructions above in "Normal speed". Expected speed is much lower when the machine is working hard.

FAILURE TO DO SO WILL RESULT IN THE POWER-TRANSMISSION SLIPPING AND VERY SERIOUS DAMAGE TO THE CLUTCH AND DRIVE BELTS

TIGHTEN BOLTS AFTER A FEW HOURS OF OPERATION!!!

TYRE PRESSURE

Do NOT exceed the recommended tyre pressure:

13 X 6.5-5	max. 1 bar
16 x 6.5-8	max. 1 bar

AFTER USE

- Park with the machine resting on the ground, not off the ground.
- Wash down the equipment when necessary.

TRANSPORTATION AND STORAGE

Check that the work area is free from bystanders, children and objects before driving off. Always observe additional caution during transport and moving. Ensure that the equipment or product is well anchored and existing transport lashings are fitted. Always position the load as low as possible. Respect the risk zones even during transport and moving. Do not permit anyone to walk under suspended loads when carrying out lifts. Trailers used for transport should have brakes that work.

Always store the equipment or product on a dry surface, preferably under a roof when not in use. Ensure that the equipment or product is stable and cannot fall over. Never permit children to play at the storage site. Be aware of the tipping risk!

MAINTENANCE AND SERVICE

The machine's engine must be turned off and the equipment lowered to ground level before starting servicing work. Make sure that the equipment is stable and cannot tip over when carrying out maintenance and service work. When performing maintenance on the machine, use suitable support/holder as assistance. Replace damaged or worn parts to reduce the risk of injuries. Carry out maintenance, service and checks in line with recommendations. Only use spare parts with equal performance to reduce the risk of injuries and breakdowns. All repair work and electrical connections must be carried out by a qualified technician. Always follow the safety instructions for maintenance according to the schedule. This is particularly important for blades and safety equipment, in consideration of the danger it would entail if they were to come loose while working.

- Regularly check the condition of the equipment to prevent breakdowns.
- If cracks, twists, bends, gaps or fatigue are discovered, stop using the equipment and rectify the fault. Worn parts must be replaced.
- Retighten all nuts and bolts after a few hours of operation and at the end of a day's work.
- Avoid using the equipment at temperature higher than +30°C.
- Disconnect the equipment from the towing vehicle while faults are being repaired.
- Check that all nuts and bolts are tightened after maintenance and service work. Always test the machine before starting work.
- Grease moving parts regularly. See separate engine manual for maintenance of engine.

For spare parts: Contact Kellfri Service

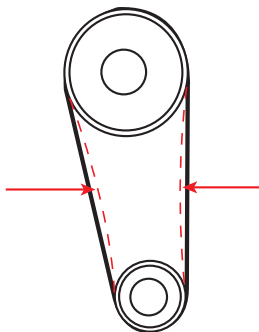
INSPECTION

It is very important to check the machine regularly with the aim of detecting and preventing wear and tear, damage, etc.

SERVICE	INTERVAL	
Brushes	Before each use	Check the brushes before each use
	While driving	Listen out for noises
	After each use	Check
Engine oil	Before each use	Check level
Volume: 0.8 L	500 operating hours or a minimum of once a year	Oil change Type: SAE10W-30
Belts	Regularly	Belt tensioning The belt should move 20 mm under pressure.
The equipment	After each use	Wash off earth and grass with water

INSPECTION OF COG BELT

First inspection and retensioning must be performed after 1 hour's operation to be sure that the cog belt is correctly tensioned. Check the cog belt regularly and tighten when necessary. Belt tensioning: the belt should move 20 mm (10 mm on each side) under pressure.



GREASING THE 50 MM TOW BAR COUPLING

Check the coupling for signs of damage or wear, swivel the coupling 360 degrees and check that the bushings are not worn. Replace damaged and/or worn parts. Grease the hitch regularly.

RECYCLING

When scrapping, the equipment should be dismantled and transported to a designated recycling station. Contact your municipality for further information.



ITEM NO.	DESIGNATION
R35-GUB120B.001	Wheel 13 x 6.5-5
R35-GUB120B.002	Wheel bracket rear - right
R35-GUB120B.003	Wheel bracket rear - left
R35-GUB120B.004	Brush
R35-GUB120B.007	Cog belt A52
R35-GUB120B.009	Winch
R35-GUB120B.011	Engine

ASSEMBLY INSTRUCTIONS



Wheel - main unit



Support wheel - collection hopper



Height adjustment crank - brush



Wheel suspension - left



Wheel suspension - right



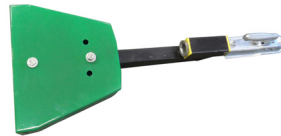
Stabiliser rod



Shaft for protective netting



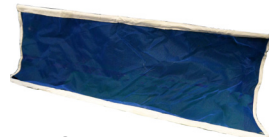
Mounting bracket for tow bar



Tow bar



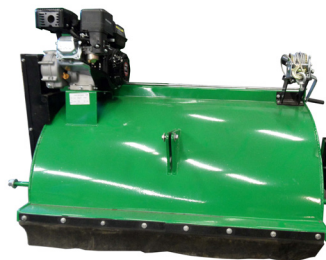
Stabiliser rod - collection hopper



Protective netting



Collection hopper

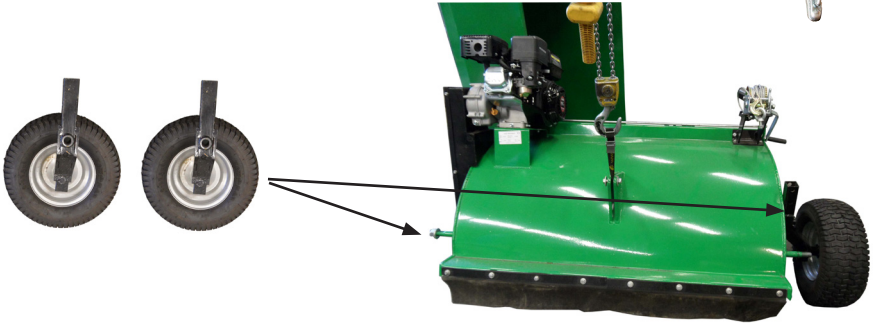


Main unit

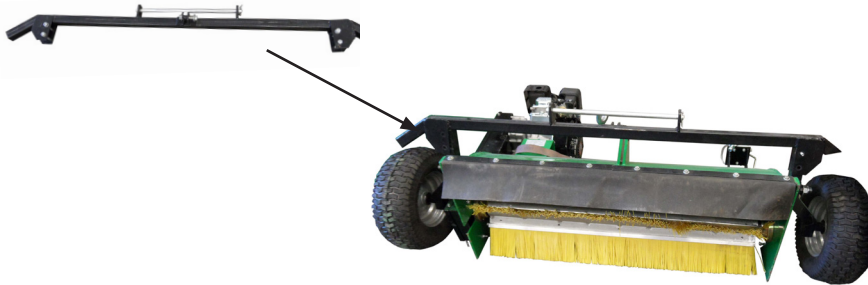
ASSEMBLY INSTRUCTIONS



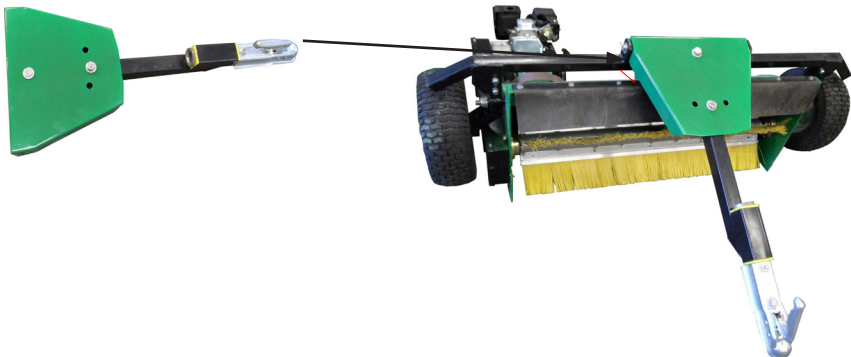
1. Lift the main unit in order to fit the wheels, mount the wheels on right and left side.



2. Fit mounting bracket for the tow bar, tighten.



3. Then fit the tow bar, tighten all bolts.



ASSEMBLY INSTRUCTIONS

4. Remove mounting bolt from the bracket, tip the tow bar and fit the height adjustment crank.



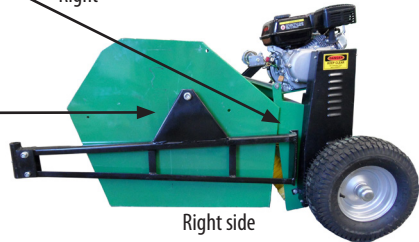
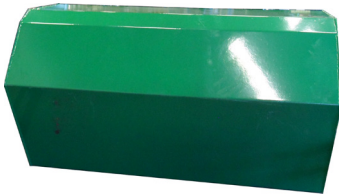
5. Fit wheel suspension for right and left support wheels. Screw the collection hopper on to the wheel suspension.



Left



Right



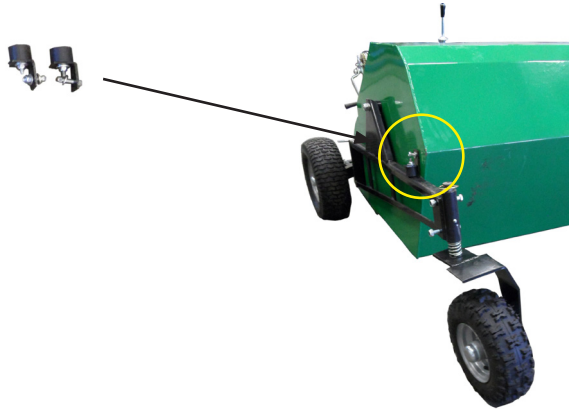
Right side

6. Fit support wheels (right-left) and stabiliser rod.

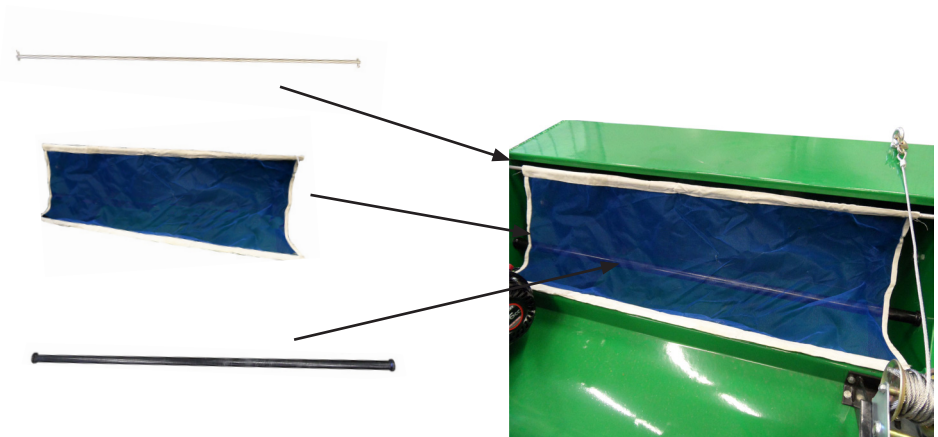


ASSEMBLY INSTRUCTIONS

7. Fit rubber shocks on each side of wheel suspension.

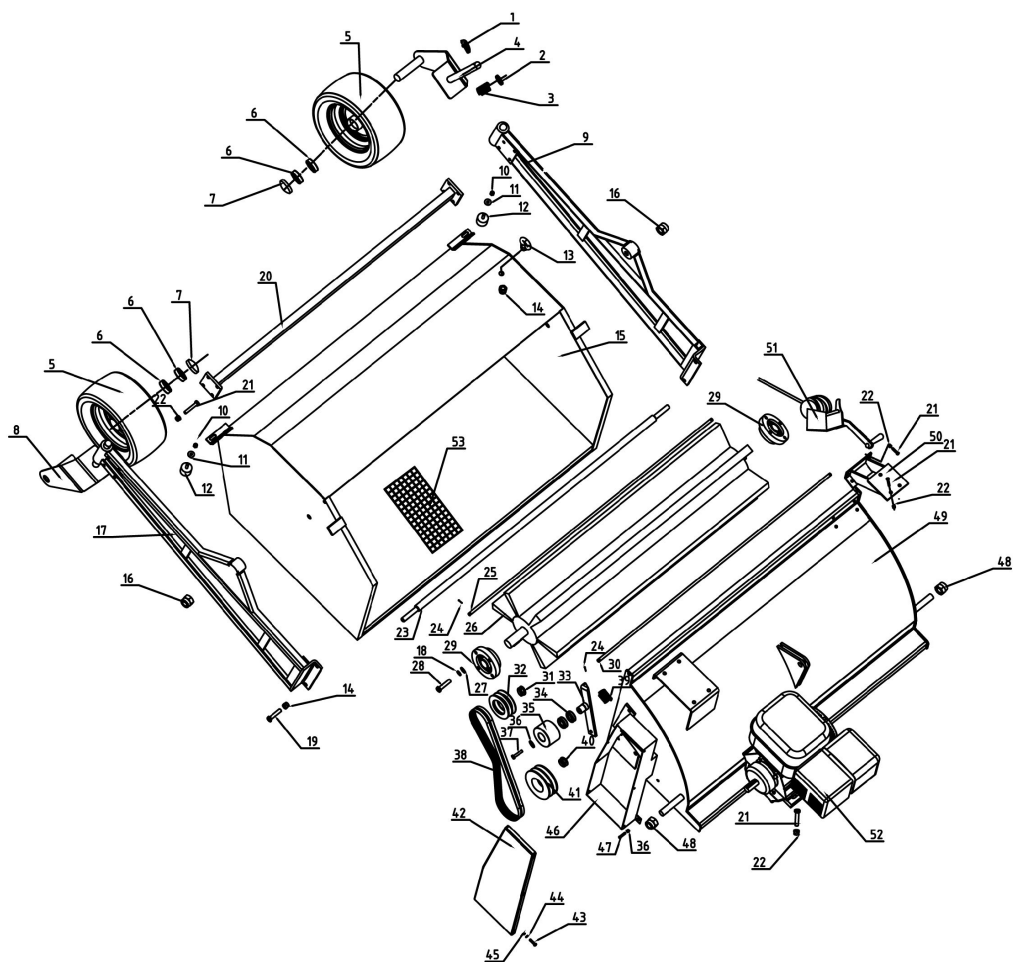


8. Fit stabiliser rod inside the collection hopper, then fit the shaft and the protective netting.



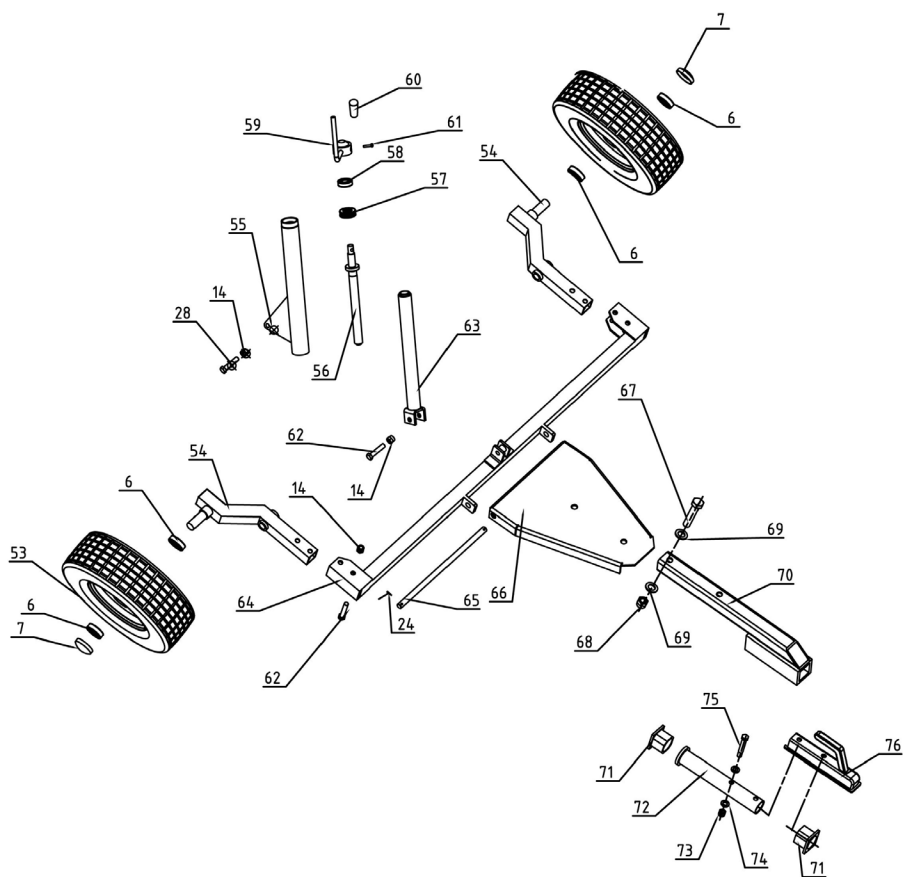
9. Fit the eyelet on the collection hopper, pull the wire from the winch and attach the hook to the eyelet.





NO.	DESIGNATION	TOTAL
1	Locking pin	2
2	Flat washer 25	2
3	Spring	2
4	Wheel bracket - left	1
5	Wheel 13 x 6.5-4	2
6	Ball bearing 6205	8
7	Wheel hub	4
8	Wheel bracket - right	1
9	Wheel suspension - left	1
10	Lock nut M8	2
11	Flat washer 8	2
12	Rubber shock	2
13	Bolt M12	1
14	Lock nut M12	11
15	Hopper	1
16	Lock nut M16	2
17	Wheel suspension - right	1
18	Flat washer 12	8
19	Bolt M12 x 55	4
20	Stabiliser rod	1
21	Bolt M10 x 60	16
22	Lock nut M10	16
23	Axle	1
24	Split pin 4 x 28	6
25	Axle	1
26	Brush	1

NO.	DESIGNATION	TOTAL
27	Spring washer	4
28	Bolt M12 x 30	9
29	Bearing UCC207	2
30	Axle	1
31	Sleeve 04 22 x 47	1
32	Pulley	1
33	Adjusting plate	1
34	Bearing 6005	2
35	Tension roller	1
36	Spring washer 8	1
37	Bolt M8 x 16	1
38	Belt A1321	2
39	Spring	1
40	Sleeve 04 35 x 60	1
41	Pulley	1
42	Belt cover	1
43	Bolt M6 x 16	5
44	Flat washer 6	5
45	Spring washer 6	5
46	Gear case	1
47	Bolt M8 x 25	4
48	Lock nut M20	2
49	Protective cover	1
50	bracket for winch	1
21	Winch	1
52	5.5 hp engine	1



NO.	DESIGNATION	TOTAL
53	Tyre 16 x 6.5-8	2
54	Wheel suspension	2
55	Casing	1
56	Adjustment bolt	1
57	Bearing 51104	1
58	Bearing 61904	1
59	Handle	1
60	Plastic handle	1
61	Screw M8 x 30	1
62	Bolt M12 X 70	5
63	Adjustment screw	1
64	Cross member	1
65	Axle	1
66	Plate protection	1
67	Bolt M80 x 16	2
68	Lock nut M16	2
69	Flat washer 16	4
70	Tow bar	1
71	Plug	2
72	Tubular pipe	1
73	Lock nut M20	2
74	Flat washer 20	4
75	Bolt M20 x 90	2
76	Tow bar coupling	1



WARRANTY TERMS AND CONDITIONS

- | | |
|-----------------------------|---|
| The warranty's validity | - Kellfri's warranty is valid for 12 months from the date of purchase. |
| The warranty covers | - Reimbursement for parts replaced after verified material or manufacturing defect. |
| The warranty does not cover | <ul style="list-style-type: none">- Labour costs- Travel costs- Machines on which the purchaser has made/ commissioned modifications.- Any additional costs arising as a result of damage to the machine.- Damage due to normal wear and tear of the machine, substandard servicing, the user's inexperience or use of spare parts that are not original.- Wear parts such as hoses, seals, oil and belts. |

EC DECLARATION OF CONFORMITY FOR MACHINERY, ORIGINAL

According to 2006/42/EG, Appendix 2A

Kellfri AB

Munkatorpsgratan 6

SE-532 37 Skara, Sweden

Hereby declares that the machine

Name: 35-GUB120B

Type: Engine-powered sweeper ATV

Conforms with all applicable requirements in the Machinery Directive 2006/42/EC.

Other equipment must comply with the Machinery Directive's requirements.



Tina Baudtler, CEO 22 June 2015

Kellfri AB has a policy of continuous product development and therefore reserves the right to make modifications, e.g. to the design and appearance of the product, without prior notice.

CUSTOMER SERVICE

You are always welcome to give feedback or ask us about our equipment and products.

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Kellfri®