

33-JMATV FERTILISER SPREADER



Kellfri

Carefully read the operating instructions before
using the product!
Operating instructions translated from Swedish

INTRODUCTION Thank you for choosing a product from Kellfri AB. Compliance with the safety instructions, operating manual and sound common sense will guarantee many years of enjoyment using the product. Kellfri's attachments and products are aimed at self-employed farmers, horse enthusiasts and other country-dwellers who have stringent demands on performance.

PRODUCT INFORMATION

Kellfri's fertiliser spreader can easily be connected to your ATV. The fertiliser spreader is the perfect solution when there is no PTO shaft. Spreader with a disc and four spreader blades. Adjustable spread quantity. Suitable for seed, manure, sand and salt.

NOTE: Supplied unassembled.

AREA OF USE

The equipment is intended solely for spreading fertiliser; it can also be used to spread seeds, salt, sand, etc.

TECHNICAL DATA	33-JMATV
Hopper volume	160 litres
Weight	63 kg
Wheel diameter	360 mm
Wheels	Balloon wheels
Ball coupling	50 mm
Spreading disc	1 pc
Gearbox	Transmission oil SAE 80W-90 Volume: 250 ml

IMPORTANT! Check the oil level in the gearbox before use!

Important!

Make sure that the fertiliser spreader's hopper is emptied when not in use. Storing a load in the hopper for an extended period of time may cause the tyres to puncture.

Kellfri designs and supplies efficient, affordable machinery and components for forestry, agriculture, construction and gardening in Sweden, the rest of the Nordic region and Europe.

Please note that the information in this document is general and may not pertain to your particular machine/product. We therefore recommend that you always read and follow the safety instructions and the instructions in the machine's/product's operating manual.

Kellfri is not liable for any errors in this document.

SAFETY INSTRUCTIONS

Before using the equipment or product, and for the safety of yourself and others, you must read the safety instructions and instruction manual and understand their contents. Always keep the safety instructions and operating manual handy for users of the equipment or product. For the safety of both yourself and others, it may be a good idea to read through the safety instructions every now and then. If the safety instructions or the operating manual are damaged, or become unusable for any other reason, new copies may be ordered from: Kellfri AB, Storsvängen 2, 532 38 SKARA, Sweden.

The safety instructions can also be downloaded from Kellfri's website: www.kellfri.se

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, or suffering from severe depression or mental illness. Always comply with general rules of the road and applicable rules stipulated by animal welfare legislation. People under the age of 15 are not allowed to use the equipment.



Warning!

The original design of the machine must not, under any circumstances, be modified without the approval of the manufacturer. Unauthorised modifications and/or accessories may cause life-threatening injuries or death to users and others.

PRODUCT SAFETY INSTRUCTIONS

Carefully read the instruction manual before using the machine.

- The product may only be used in the way described in these instructions.
- Never put your hands or feet under the machine without first stopping the equipment.
- Never leave the equipment with the ATV's engine running. Turn off the engine and apply the parking brake when you leave the equipment – even for a short period.
- Always disengage the machine before performing service or maintenance work.
- Only the operator may be present in the vicinity of the equipment while in operation.
- Never let anyone ride on the equipment or the towing vehicle.
- Never stand or walk beneath a raised implement without ensuring that it is properly supported and locked.
- Ensure that all guards are in place and are not able to come loose.
- Two persons should always be present to handle heavy and unwieldy components when mounting, handling and moving.
- Risk of crushing! Never put your hands or feet on the equipment's spread auger
- Observe maximum payload! Never overload the machine! Suspension devices on front or rear three-point linkage should not lead to the permitted load on the tractor's axles and the tyres' load capacity being exceeded
- Fill the spreader's hopper directly in the field. The spreader's hopper can be damaged when transporting a full container.

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 or service.

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 the decal becomes worn or in any other way unusable, order a new set of decals.

SYMBOL	EXPLANATION
  	Read the operating manual! Before carrying out work. Warning! Prior to performing maintenance, servicing, hitching and unhitching the machine, the engine of the towing vehicle must be turned off and the ignition key removed.
 	Ejection warning! Risk zone 200 m Respect the equipment's risk zone!
	Warning! Rotating blades! Risk of crushing!
	Warning! Keep off the machine!
	Warning! Accident risk for children! Children are not allowed in the vicinity of the machine.
	Always store the product on a dry surface, preferably under a roof, when not in use.
	The product is CE-marked

PERSONAL PROTECTION

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

Use suitable protective equipment adapted according to the chemical being used.



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 injury. 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's risk zone. Keep a distance of 100 metres from people, animals and buildings. Stop the spreader if anyone approaches; particles from the spread auger can damage the eyes.



Warning!

Children must not be left unsupervised in the area!

BEFORE USE

Carefully read the instruction manual. Make sure that you understand the safety instructions, the instruction manual 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 compatible and work satisfactorily together. This is done to ensure the equipment works 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 immediately to reduce the risk of injury.

Grease moving parts, check the oil level in the gearbox and check that all nuts and bolts are tightened. Repair 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.



WARNING!

Never use equipment or products with defective safety components.

CONNECTING THE EQUIPMENT

- Connect the rotary cultivator ball coupling to the ATV's tow bar ball coupling.
- Reduce speed when working on slopes or uneven ground.
- Ready for use

USE

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.

Ensure that you know the spreading capacity for your machine and for the material you will be using. Test in the field to ensure that spreading is correctly adjusted. Too generous a spread can damage the crop and too meagre a spread might not produce the desired result.

- Reduce speed when working on slopes and uneven ground.
- Check that there are no foreign objects in the fertiliser that is to be spread.
- Follow the guidelines specified by the ATV manufacturer with regard to towing/pulling of equipment/machines.
- Do not fill the spreader's hopper when transporting the equipment over a long distance. This can compact the contents and impair spreading.
- Exercise extreme caution if you are spreading herbicide as there is a risk of uncontrolled spread in the wind that can lead to vegetation outside the pesticide area being harmed. Always follow the instructions for the chemical you are using.
- If the supply stops, stop the equipment, ensure that all moving parts are completely immobilised and fully open the feed hatch. Pushing a stick down into the feed hatch will enable you to release whatever is causing the obstruction. **WARNING!** Risk of crushing!

SPREADING INSTRUCTIONS

- The opening in the bottom of the spreader's hopper is adjusted by means of the control lever.
- The size of the opening is determined by the calibration scale. Put the lever in the desired position.
- The spreading chart in the manual is an estimate based on varying forward speed. For correct spreading, calibrate your towing vehicle to drive at the desired speed.
- Shut the feed hatch and pour in the material to be spread. Perform a test run and check that the desired result is achieved. Make fine adjustments if needed.

The lever's position is determined with respect to:

- the type of fertiliser to be spread
- the working width [m]
- the working speed [km/h]
- the desired spread quantity [kg/ha].

Different factors such as wind, the fertiliser's moisture, etc. can affect the spread.

Adjustment of spreading position:

Move the lever to the desired position and lock with a pin.

It is simple to adjust the quantity and position of the fertiliser by opening 2 hatches in the bottom of the hopper. Lever (B) beneath the hopper adjusts spreading position, Lever (A) on the side of the hopper adjusts the spread quantity.

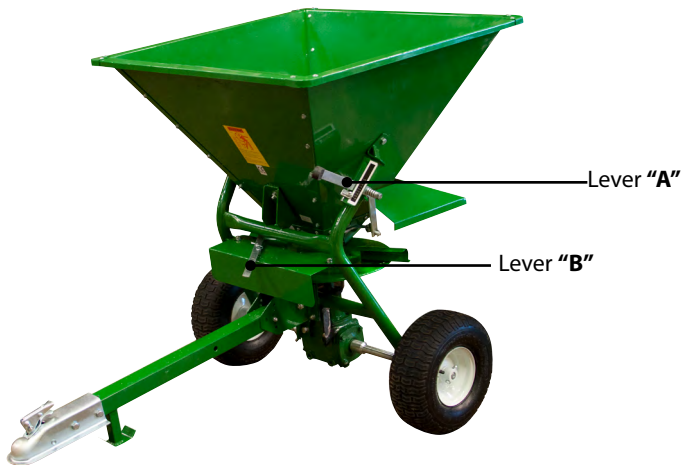
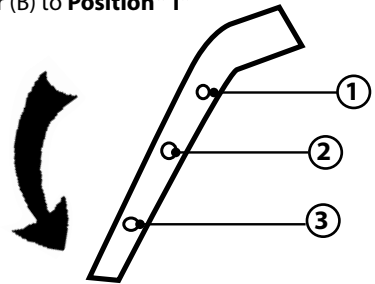
For general spreading in both directions, move the lever (B) to **Position "1"**

Spreading to left:

Move lever (B) to **Position "3"**

Spreading to right:

Move lever (B) to **Position "2"**



WARNING!

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.

NOTE: Different fertiliser densities may mean that the spreader blades need to be adjusted. Moving the blades to the left produces a greater spread to the right and vice-versa.

The following spreading table comprises general instructions for spreading. The values can change due to external factors such as wind, moisture in fertiliser etc. Setting the machine is influenced by the operator's experience with the machine and type of fertiliser.

Type of seed	Spread width (m)	The tractor's speed (km/h)**	Kg/4,000 m ² (approximate value) Lever setting indicated							
			0.5	1	2	3	4	5	6	7
Rice	9.4	6				51	82.5	149		
		8				41	66	120		
		10				34	55	100		
		12				28	44	80		
Rye	9.4	6				51	80	110	134	
		8				41	64	88	107.5	
		10				33.5	53	74	89	
		12				27	43	58.5	71	
Sudan grass	9.4	6			22	34	54			
		8			18	28	43.5			
		10			15	23	36			
		12			12	18	29			
Soya beans	11.6	6					48	75	88	100
		8					38.5	60	71	80
		10					32	50	59	67
		12					25	40	47	53
Timothy	4.6	6	8	28	69					
		8	6	23	56					
		10	5	19	47					
		12	4.5	15	37					
Wheat	9.4	6				41	65	89	116.5	
		8				33	53	71	94	
		10				27	43.5	59	78	
		12				22	35	47	62.5	

ERROR	CAUSE	MEASURE
No fertiliser coming out of the spreader, uneven distribution of fertiliser.	Compacted fertiliser on spreading discs and blades. Adjusting plates not fully open/closed.	Clean the spreading discs and blades. Warning! Risk of crushing, rotating parts must not be touched.

Type of SEED	Spreading width in feet (=m)	The tractor's speed (km/h)	Kg/4,000 m ² (approximate value) Lever setting indicated					
			0.5	1	2	3	4	5
Alfalfa & Clover	24' = 7.3	6	8	28	69			
		8	6	23	56			
		10	5	19	47			
		12	4.5	15	40			
Barley	26' = 7.9	6				43	53	64
		8				43	43	51
		10				28.5	35	42
		12				23	28	33.5
Bermuda grass	17' = 5.2	6			12	43		
		8			10	26.5		
		10			8	24		
		12			6	14		
Compact brome	9.5' = 2.9	6	4	7	11			
		8	4	5	9			
		10	3	4.5	7			
		12	2	4	6			
Fescue grass and Rye grass	17' = 5.2	6		6	20	47		
		8		2	16	35		
		10		4.5	13	29		
		12		4	10	23		
Clover bush	30' = 9.1	6	3	6	13			
		8	2	5	10			
		10	1.8	4.5	9			
		12	1.3	4	7			
Oats	26' = 7.9	6				27	42	77
		8				21	33.5	62
		10				18	28	51
		12				14	22	41

AFTER USE

Do not park with a suspended load but with the equipment resting on the ground. The spreader should be washed after use, particularly if corrosive chemicals such as fertiliser, salt or similar have been used. Wash carefully with strong detergent after use in order to remove all chemical residues. When it is dry, lubricate properly.

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 zone 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 tip over.

Never permit children to play at the storage site. Be aware of the tipping risk!

If the equipment is heavily loaded, it can affect the towing vehicle's stability. Exercise caution when moving. Slow down on bends and watch out for holes and bumps in the road. Maximum driving speed is 30 km/h.

Store the equipment in a place where no people are present and never allow children to play around the parked machine.

MAINTENANCE AND SERVICE

The ATV's engine must be turned off and the equipment lowered to the ground before any servicing work commences. 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 immediately 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 electrical repairs and electrical connections must be carried out by a qualified person. 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 temperatures 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.
- Touch up the paintwork where metal or rust is visible
- Always check the oil level in the gearbox. If used and stored correctly, the gearbox will function for a long time and without problems. If it is necessary to dismantle the gearbox, it is important to refill it with good quality oil and to reseal the parts of the gearbox with silicone adhesive.

RECYCLING

For scrapping, the equipment/product must be dismantled and transported to a recycling station designated by your local authority. Contact your local authority for further information.



ASSEMBLY INSTRUCTIONS

1. Assemble the four side panels, secure with bolts and nuts according to the drawing (figure 1)
2. Then fit the spreader's base plate.
3. Mount the four corner protectors (corner strip), tighten all bolts and nuts.
4. Turn the direction of the hopper during assembly to make it easier to assemble.
5. When the hopper assembly is complete. Place the side of the hopper with the decals facing downwards for the next assembly.

FIGURE 1

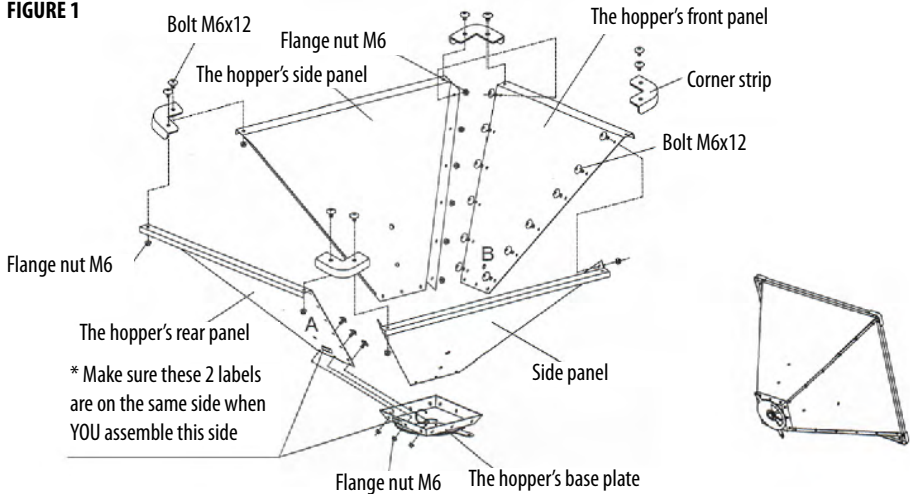


FIGURE 2

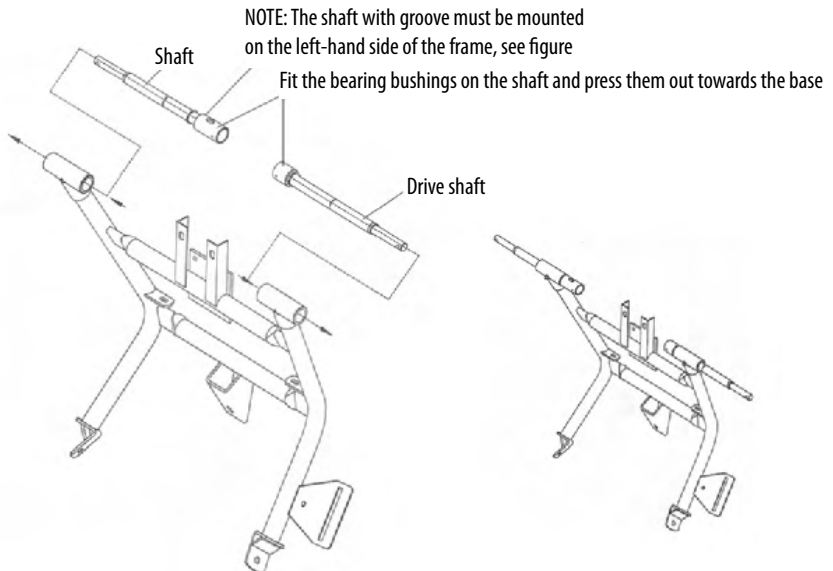


FIGURE 3

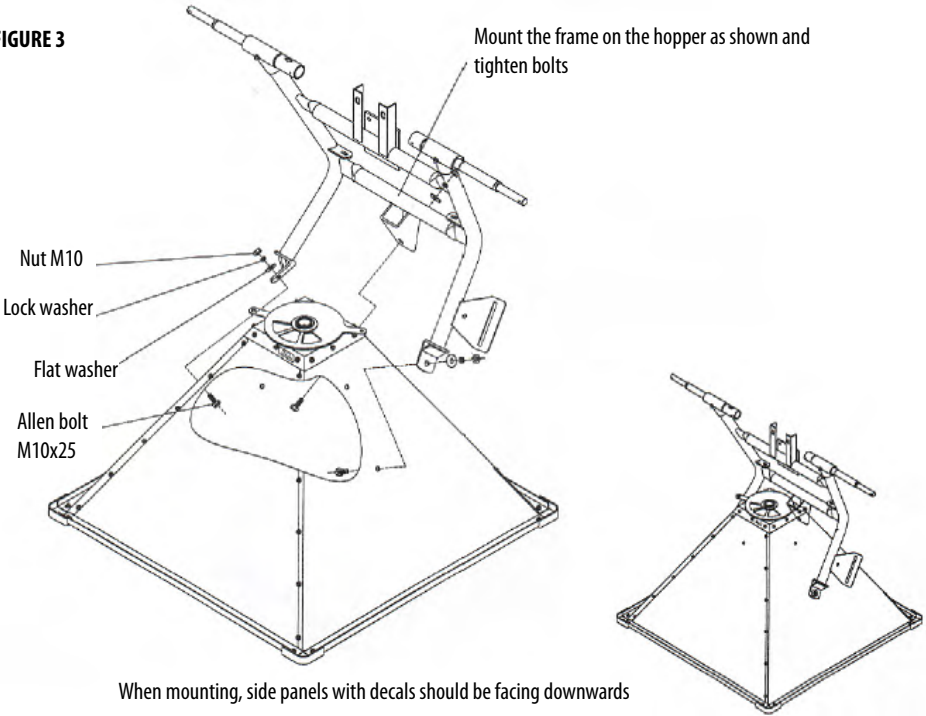


FIGURE 4

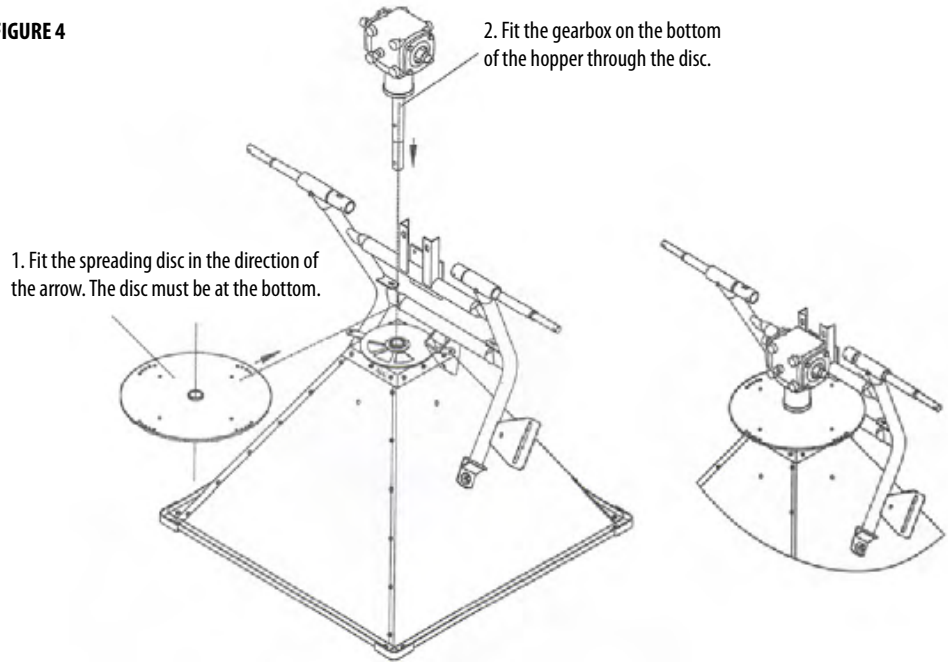


FIGURE 5

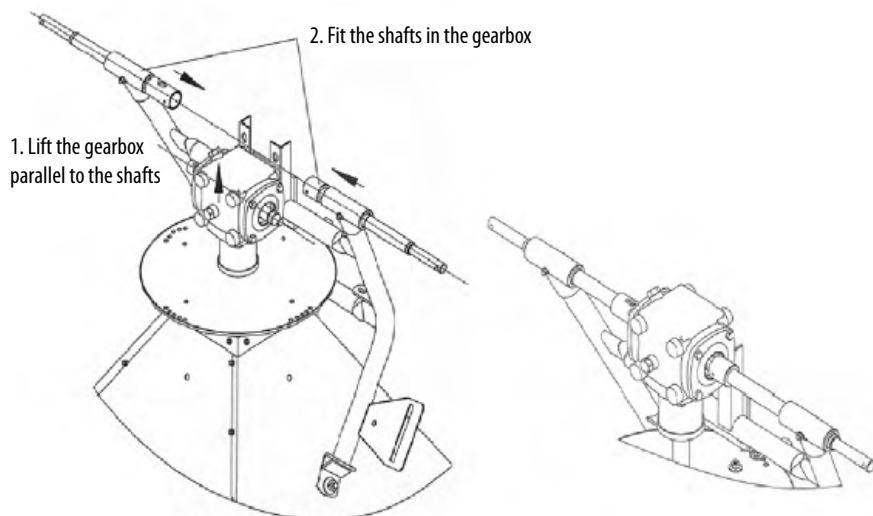


FIGURE 6

Lock the drive shaft in the gearbox by fitting the safety pin. (The safety pin can be removed when the machine is not in operation to reduce wear on the drive shaft and the gearbox)

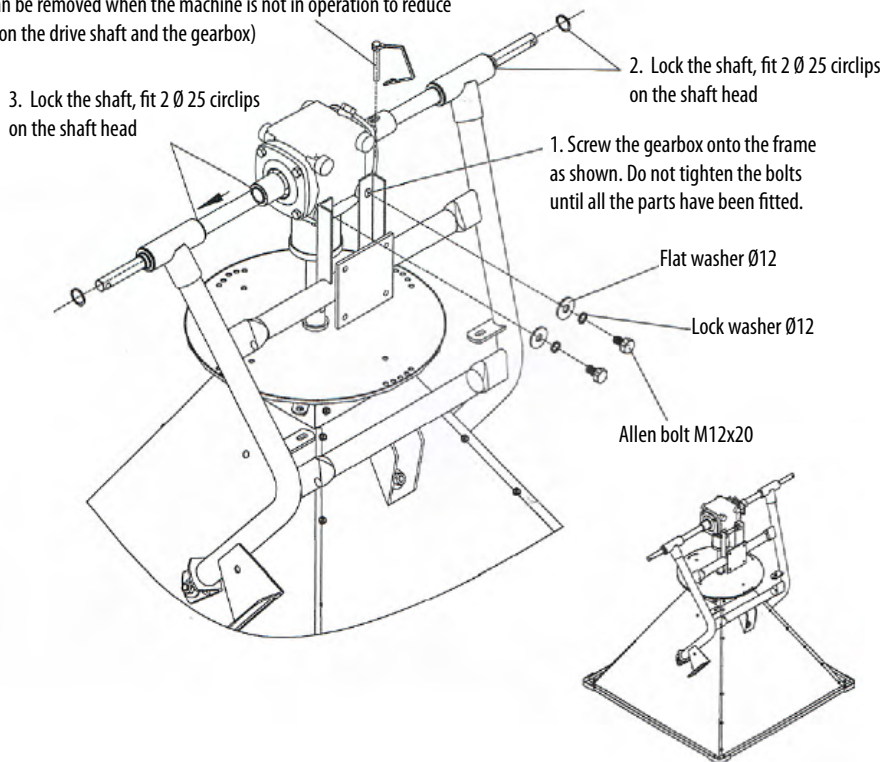


FIGURE 7

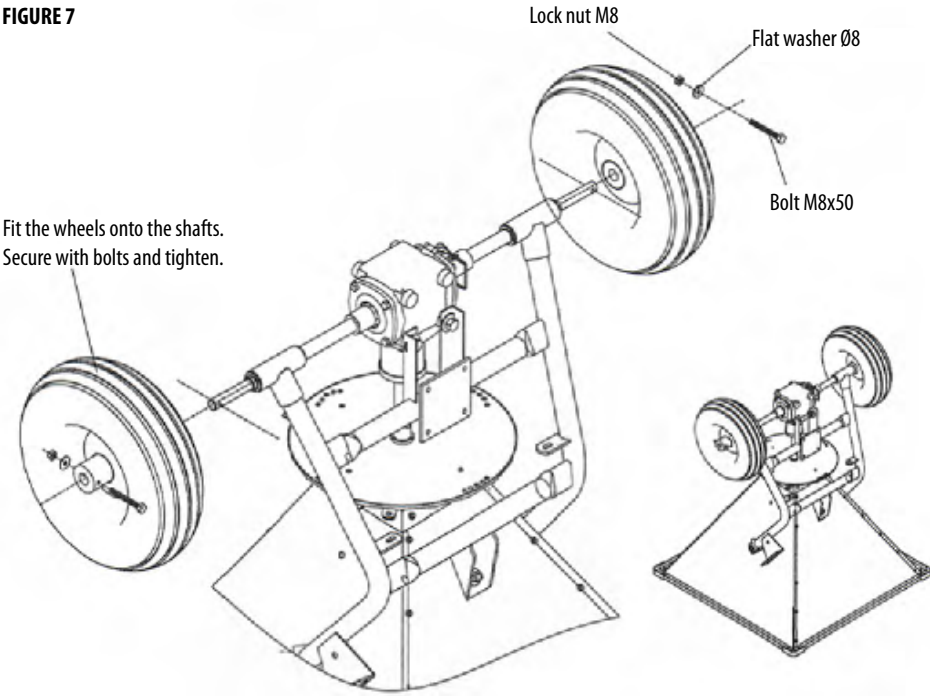


FIGURE 8

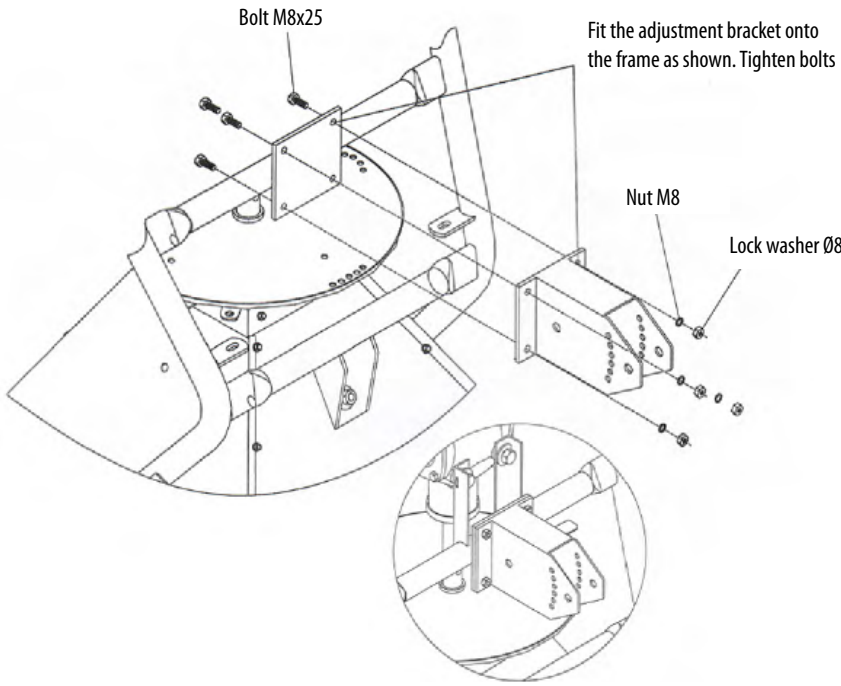


FIGURE 9

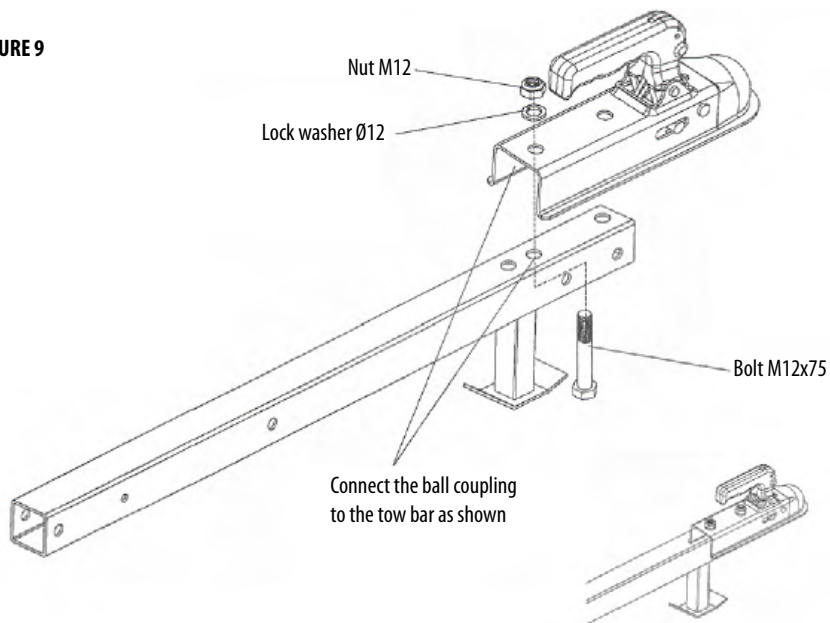


FIGURE 10

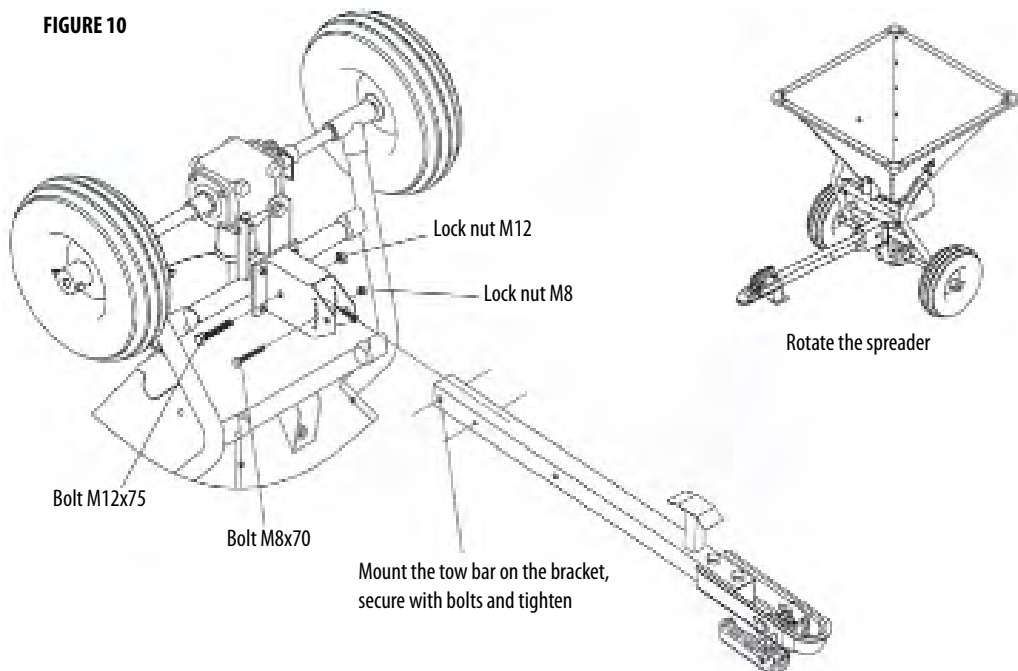


FIGURE 11

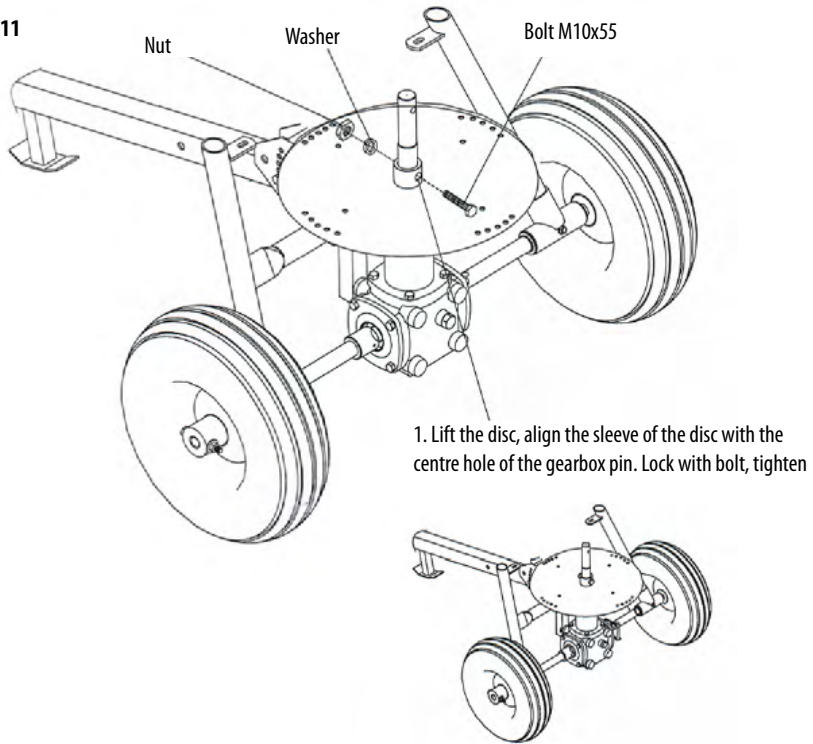


FIGURE 12

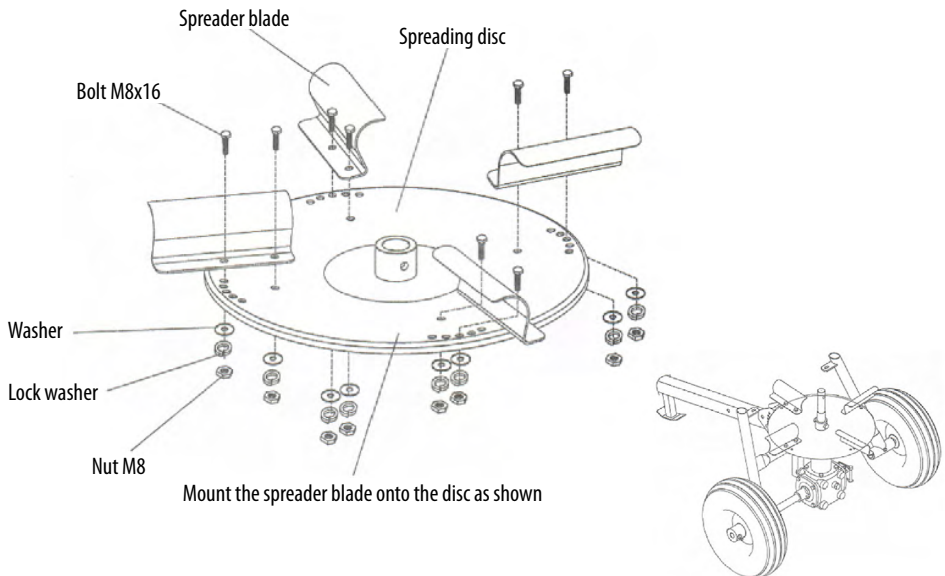


FIGURE 13

Fit the guard plate on the frame as shown, tighten all bolts

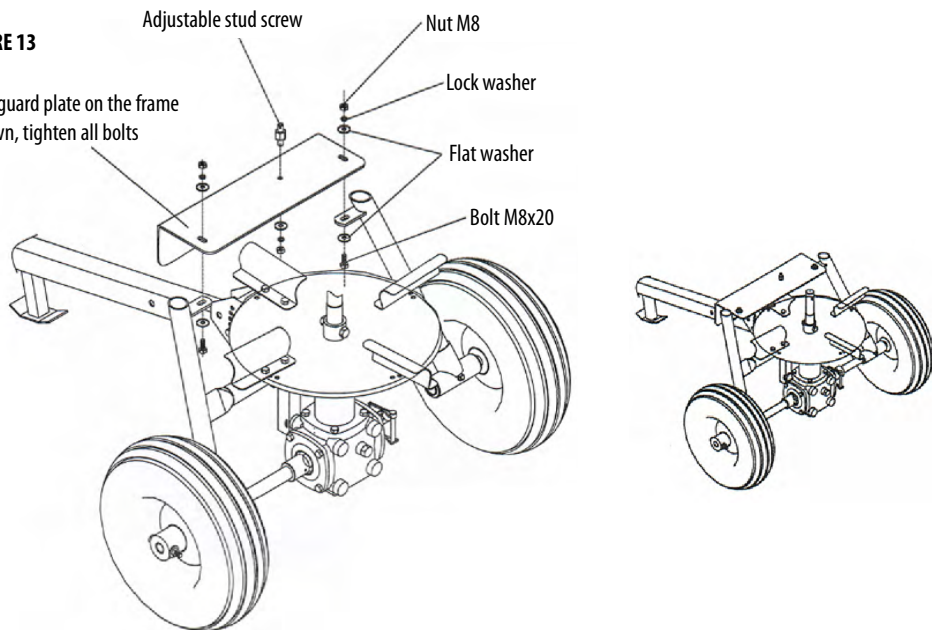
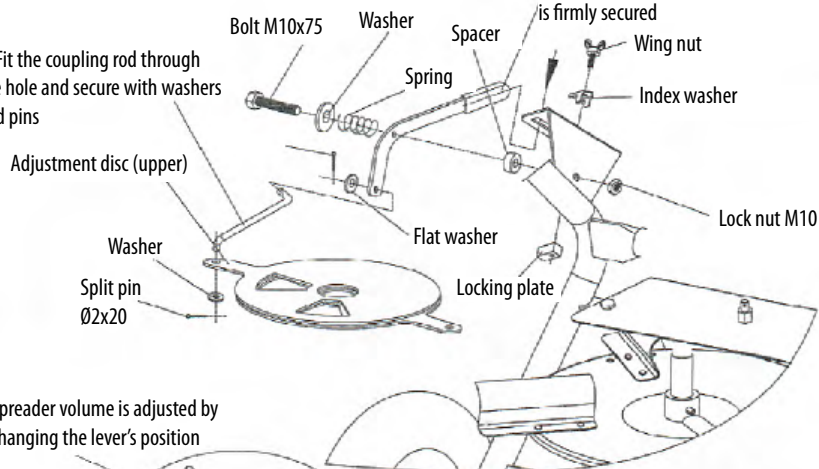


FIGURE 14

2. Fit the coupling rod through the hole and secure with washers and pins

1. Insert the lever through the hole as shown. Tighten the bolt so that the lever is firmly secured



Spreader volume is adjusted by changing the lever's position

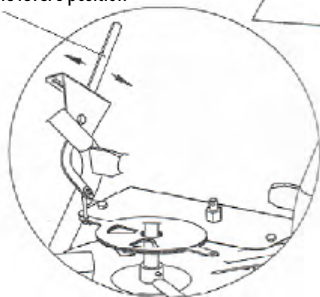


FIGURE 15

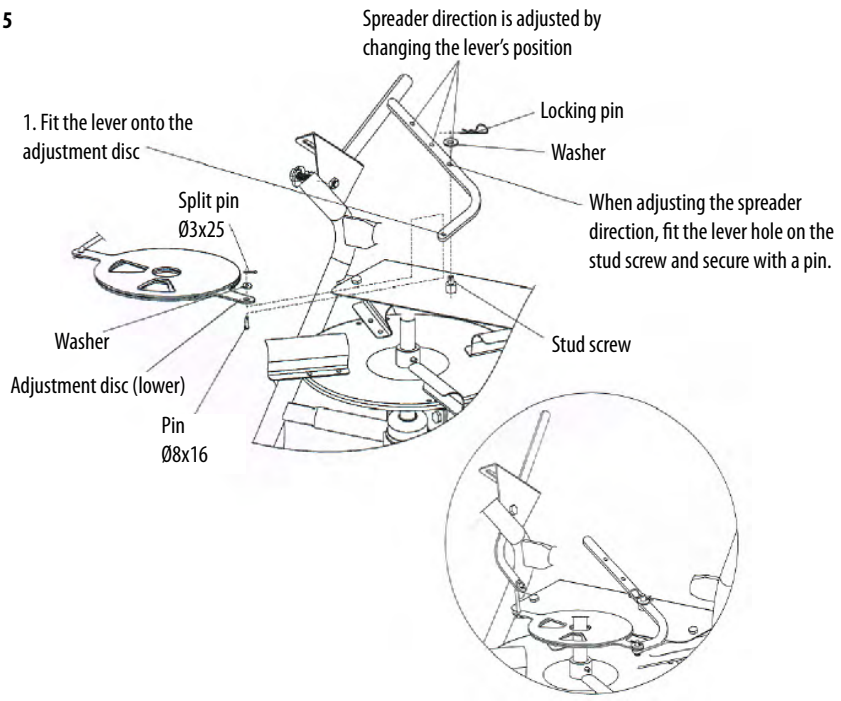


FIGURE 16

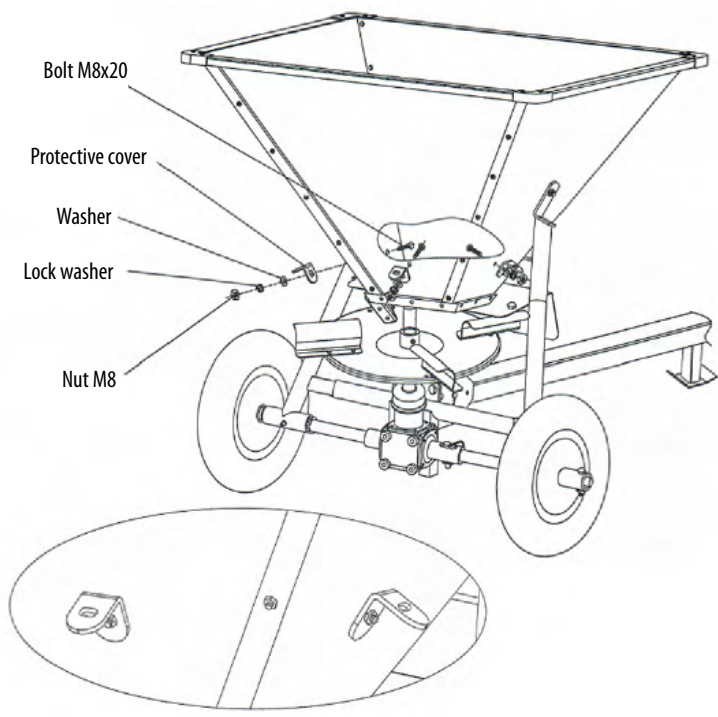
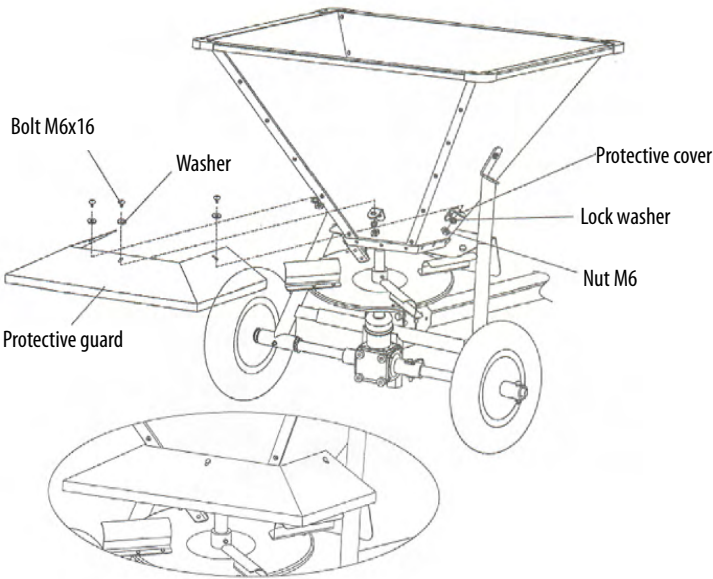
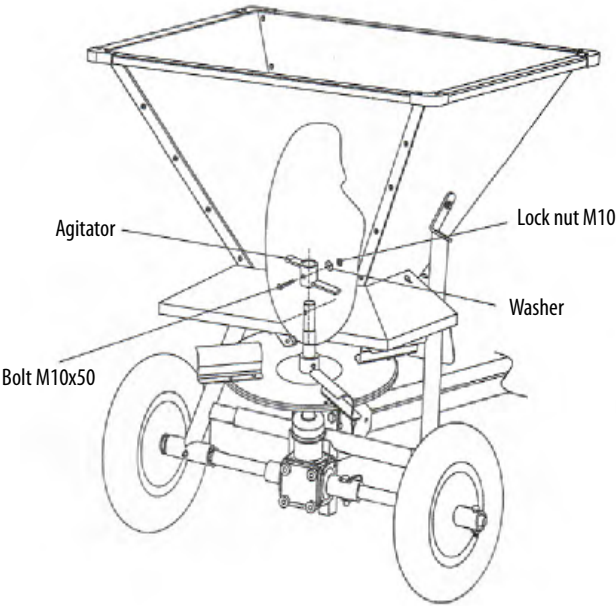


FIGURE 17

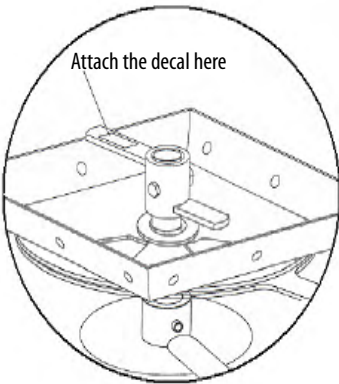


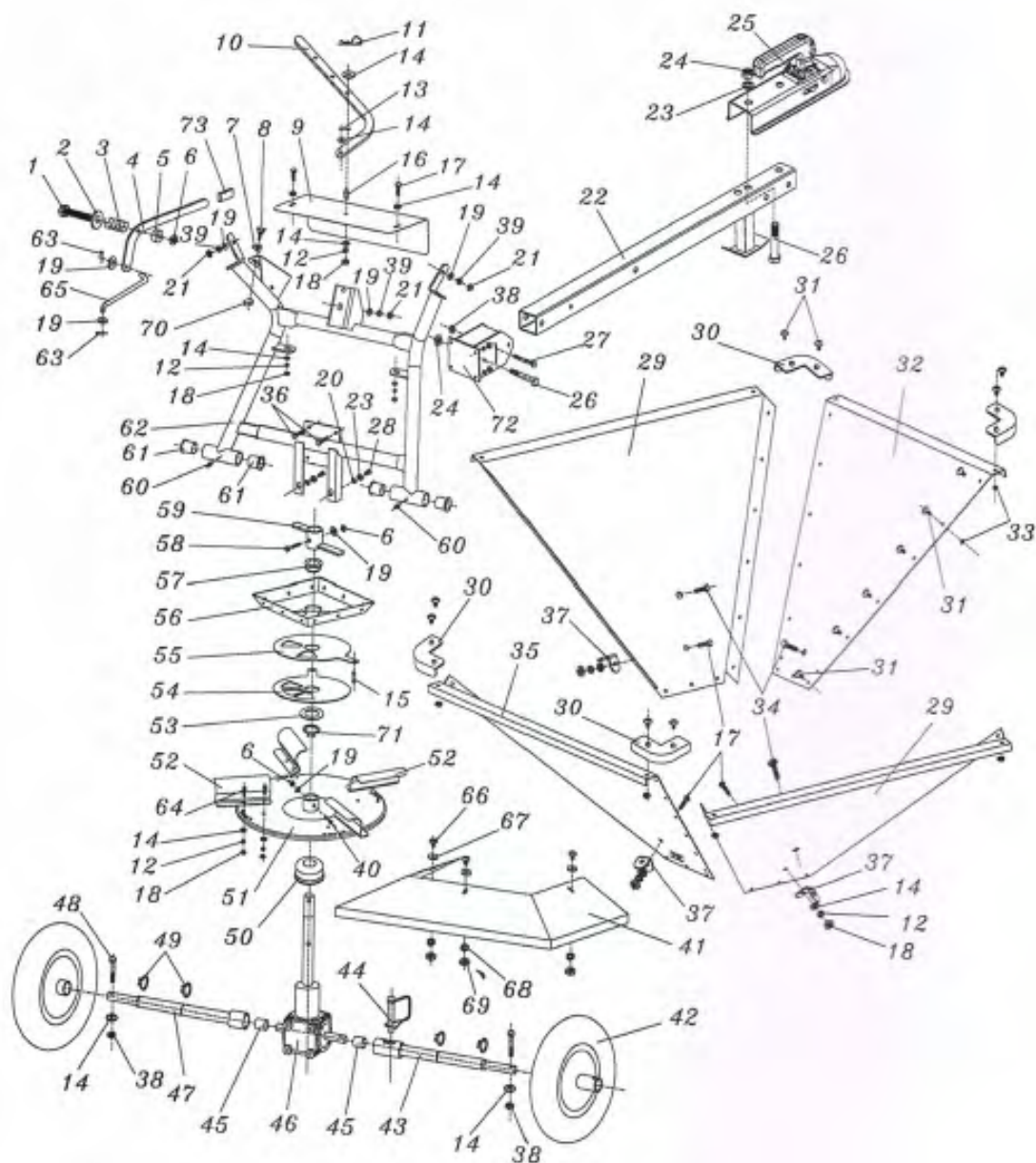
Tighten all bolts and nuts, even those that have not been tightened in the previous step.

FIGURE 18



NOTE: Decals must be facing upwards





Item	Spare part no.	Description	Quantity
1		Hex bolt M10x75	1
2		Washer Ø10	1
3		Spring	1
4	R33-JMATV.017	Adjusting handle (top)	1
5		Washer	1
6		Hex lock nut M10	3
7		Index	1
8		Wing nut	1
9		Protective guard	1
10	R33-JMATV.010	Adjusting handle (lower)	1
11		Locking pin Ø1	1
12		Lock washer Ø8	18
13		Split pin Ø3x25	1
14		Washer Ø8	18
15		Pin	1
16		Stud screw	1
17		Bolt M8x20	5
18		Nut M8	18
19		Washer Ø10	7
20		Washer Ø12	2
21		Nut M10	3
22	R33-JMATV.005	Tow bar	1
23		Washer Ø12	4
24		Lock nut	3
25	R33-JMATV.004	Tow bar ball hitch	1
26		Bolt M12x75	3
27		Bolt M8x70	1
28		Bolt M12x20	2
29	R33-JMATV.012	The hopper's side panel	2
30		Corner protector	4
31		Bolt M6x12	44
32	R33-JMATV.018	The hopper's front panel	1
33		Flange nut M6	44
34		Bolt M10x25	3
35	R33-JMATV.014	The hopper's rear panel	1
36		Bolt M8x25	4
37		Protective cover	3

Item	Spare part no.	Description	Quantity
38		Lock nut M8	3
39		Lock nut Ø10	3
40		Bolt M10x55	1
41		Protective cover	1
42	R33-JMATV.002	Wheels	2
43	R33-JMATV.021	Shaft (left)	1
44		Safety pin	1
45		Bearing bush	2
46	R33-JMATV.001	Gearbox	1
47	R33-JMATV.022	Drive shaft (driving)	1
48		Bolt M8x50	2
49		Circlip Ø25	4
50		Dust guard	1
51	R33-JMATV.016	Spreading disc	1
52	R33-JMATV.003	Spreader blade	4
53		Washer Ø40	1
54	R33-JMATV.006	Adjustment panel (lower)	1
55	R33-JMATV.007	Adjustment panel (top)	1
56	R33-JMATV.008	The hopper's base plate	1
57	R33-JMATV.011	Shaft bush	1
58		Bolt M10x50	1
59	R33-JMATV.015	Agitator	1
60		Grease nipple	2
61		Bearing	4
62	R33-JMATV.020	Frame, complete	1
63		Split pin Ø2x20	2
64		Bolt M8x16	8
65		Coupling rod	1
66		Bolt M6x16	3
67		Washer Ø6	3
68		Lock washer Ø6	3
69		Nut M6	3
70		Locking plate	1
71		Circlip Ø40	1
72	R33-JMATV.009	Tow bar attachment	1
73		Handle	1



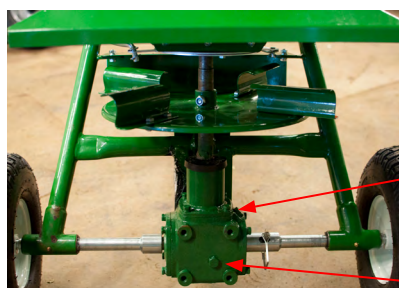
Spreading disc with 4 spreader blades.



Adjustment lever A



Agitator



oil refilling

check oil level

DEVIATION FORM

We are grateful for your help in pointing out any defects in the product supplied to you by Kellfri. Before making a claim, read Kellfri's general purchase terms and conditions in our catalogue or on our website www.kellfri.co.uk, and in the operating manual if supplied. The manual can also be downloaded from kellfri.co.uk/manuals

Please fill in the details below and attach photos as documentation so that we can process your case optimally. In order for us to obtain as good an understanding as possible of any faults, please take at least four photos of the defective parts of the machine/equipment; two of the entire equipment from 2 different angles and 2 close-ups of the actual damage from 2 different angles. (Feel free to attach photos on the next page.)

If the product was purchased from a dealer, please contact the dealer in the first instance.

Purchaser**:	Customer number**:
Address**:	Invoice number:
Email address**:	Daytime phone number**:

When was the product supplied?	When was the product put into operation?	Was the product working on delivery? YES NO
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Product name/article number**:
Serial number:

REASON	YES
11) Transport damage*	
(09) Product complaint*	
(04) Wrong goods delivered	
(03) Wrong quantity	

REASON	YES
(05) Wrong price	
(02) Ordered by mistake/Charge-back	
(99) Other reason*	

* Fill in form below
Required fields**

Description of fault**:

Describe the course of events:

Miscellaneous:

Customer's signature:	Date:
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To be filled in by the dealer

Dealer:	Invoice number:
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Signature:	Date:
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Kellfri

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 a material fault or manufacturing fault has been verified.
- The warranty does not cover**
- Labour costs
 - Travel costs
 - Machines on which the purchaser has made or 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



In accordance with 2006/42/EC, Appendix 2A
Kellfri AB
Storsvängen 2
SE-532 38 Skara, Sweden

Hereby declares that the machine Name: 33-JMATV

Type: Fertiliser spreader ATV

Conforms with all applicable requirements in the Machinery Directive 2006/42/EC.
Other equipment must comply with the Machinery Directive's requirements.

Kjell Johansson
Product Development Manager

CUSTOMER SERVICE

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

Kellfri

Kellfri AB
Email: info@kellfri.co.uk

Last changed 26/10/2020