Fan Jet Mini Vari-Speed

ORIGINAL OPERATING MANUAL & PARTS LIST

Read carefully before installation and operation

MADE IN BRITAIN
EST.1977

Stocks Ag Limited.
Cromwell Road, Wisbech, Cambridgeshires, PE14 0SD, UK
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Index

E.C. DECLARATION OF CONFORMITY

Machine Type:	**Mounted Agricultural Implement - Pellet and Seed application broadcasters**	
Model(s):	**Fan Jet Pro**	**All Variants and Versions**
	Fan Jet Pro Plus	**All Variants and Versions**
	Fan Jet Twin	**All Variants and Versions**
	Fan Jet Mini	**All Variants and Versions**
	Fan Jet Duo	**All Variants and Versions**
	Turbo Jet	**All Variants and Versions**
	Rotor Meter	**All Variants and Versions**
	Rotor Meter Air Force	**All Variants and Versions**
	Micro Meter	**All Variants and Versions**
	Maxi Meter	**All Variants and Versions**
Serial No.	.....	
Manufacturer:	**Stocks Ag Ltd** **Cromwell Road** **Wisbech** **Cambridgeshire PE14 OSD** **United Kingdom**	

This is to declare that the above machine conforms to the relevant Essential Health and Safety Requirements of the Machinery Directive 2006/42/EC, implemented in the United Kingdom by Statutory Instrument 2008 No. 1597 – The Supply of Machinery (Safety) Regulations 2008 as amended.

The following standards have been applied in the design and construction of this machine:

BS EN ISO 12100:	**2010**	**Safety of machinery – General principles for design – Risk assessment and Risk reduction.**
BS EN ISO 4254-1:	**2015**	**Agricultural machinery – Safety - General requirements.**
BS EN ISO 4254-8:	**2018**	**Agricultural machinery. Safety - Solid fertilizer distributors**
BS EN ISO 13854:	**2019**	**Safety of machinery – Minimum gaps to avoid crushing of parts of the human body.**
BS EN ISO 13857:	**2019**	**Safety of machinery – Safety distances to prevent hazard zones being reached by the upper and lower limbs.**

The manufacturer stated above holds the technical file for this machine.

Signed on behalf of Stocks Ag Ltd

Name:..... **J Woolway**

Date: **06th August 2020**

Position: **Managing Director**

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UKCA. DECLARATION OF CONFORMITY

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Name:..... **J Woolway**

Date: **01st December 2020**

Position: **Managing Director**

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1.0 General Information

Congratulations on your Fan Jet Mini purchase:

Please check the machine for any transport damage upon receipt and advise your supplier of any problems immediately. Late claims regarding any damage may be rejected.

Specifications, descriptions and illustrations in this manual are accurate at the time of this publication but may be subject to change. This manual is correct at the time of printing but Stocks Ag reserve the right to change and improve them. This machine is designed with safety in mind. Maintenance and servicing in accordance with this manual will ensure safe operation and reliability of your machine for many years.

This Operating Manual forms part of the machine and must be readily available for the operator who must read and follow the points covered before use.

1.1 Technical Data

Model: Fan Jet Mini Vari-Speed

Hopper capacity: 65 litre or 130 litre

65 litre machine:

Net weight: 40kg

Dimensions: (WxDxH) 50 x 56 x 82cm (boxed 52cm x 58cm x 100cm)

130 litre machine:

Net weight: 45kg

Dimensions: (WxDxH) 60 x 60 x 90cm (boxed 62cm x 62cm x 113cm)

Max spreading width: 12m

Recommended working width: 3–12m

Operating Voltage: 12v

Power Requirement: 20 amps

Motor outputs: 240 watt

Max disc speed: 3700 rpm

***Noise level:** 85dB

1.2 Intended Use

This Fan Jet Mini has been designed for use in the agricultural, horticulture, and amenity sector to apply large dense slug pellets from (3– 12m) and various small seeds and granular products to varying widths depending upon the seed or product density. It can also be used for game cover cropping and as a game feeder.

The applicator can be mounted to operate facing forwards or backwards. Often mounted on the rear of drills and sets of rolls to apply slug pellets.

Any other use is considered to be non-intended and the manufacturer will not be liable for any resulting damage.

The manufacturer is not liable for any resulting damage if the machine is used for any other purpose than the intended use and also includes compliance with the conditions for operation, maintenance, and repairs prescribed within this instruction manual.

The applicable accident prevention regulations as well as the other generally safety-related, occupational health and road traffic regulations must also be observed.

1.3 Unintended Use

This machine is not designed to apply abrasive materials such as sand & grit or for applying salt products.

The operator alone bears the associated risk if used for non-intended use.

1.4 Machine Identification

Example Decal Only

The machine the serial number decal is mounted on the steel chassis to one side of the hopper.

1.5 Warranty

We provide a 12 month warranty from the date of invoice (the invoice for the machine will serve as a warranty certificate).

This warranty is applicable for cases of material or construction faults and does not include parts that are damaged by normal or excessive wear.

Warranty expires if damage is caused by external forces, operator error, modifications, jet washing or if the machine has been used for unintended use.

In the event of any problems, or before attempting any repair please contact the company from where the machine was purchased. If the base machine or the controls system are modified in any way this will void any warranty claim.

Please see our conditions of sale for full details, a copy of which available upon request.

Please record the machine serial number here: S/N .....

Purchase date: ..... Dealer .....

2.0 Safety

Ensure care is taken when lifting the machine. Safe lifting practice to be observed when handling as the net weight is over 25kg.

- We advise safety shoes and protective gloves are worn when handling the machine.
- Assistance will be required when lifting or lowering the machine.
- Care to be taken to avoid crushing due to the weight of the machine.
- When lifting or fitting the machine on to a parent vehicle or implement ensure work is performed on level ground or flat surface to avoid slipping, stumbling or falling.

PERSONAL PROTECTION EQUIPMENT

It is the responsibility of the operator or maintenance engineer to ensure safe handling of the machine and the appropriate personal protection equipment must be worn for the material being applied and to prevent contamination to the machine or the environment.

⚠ **WARNING! Ear protection required if working in close proximity to the machine as it exceeds 80dB.**

PRODUCT APPLIED

If applying slug pellets or other toxic material and the parent vehicle has a closed cab the operator must ensure the cabin is always closed and the air filter system is in good order. If fitted to a UTV vehicle ensure the stability of the parent vehicle is not affected when the machine is in use. If in doubt contact the vehicle manufacturer for more information. After working the machine ensure that any unused product is returned safely to its original packaging. Stocks Ag Ltd. does not accept any liability for the storage and use of the material being applied.

NOTE: If unsure contact your seed or product supplier for more information.

⚠ **WARNING! Always observe all application standards and guidelines provided by the product manufacturer as some seed dressings and granular products may be toxic.**

OPERATION AND MAINTENANCE

The machine may only be used, maintained and repaired by persons who have relevant experience or a machinery dealer who is aware of any risks involved. The applicable accident prevention regulations as well as the other generally safety related, occupational health and road traffic regulations must also be observed.

The manufacturer is not liable for any damage resulting from unauthorised modifications and the use of components and auxiliary parts. The machine must be checked regularly by the operator (before each use) for any damage, loose bolts or electrical connections, vibrations, unusual sounds, and to ensure they function correctly.

The machine must not be operated in wet weather conditions or during thunderstorms. Observe the generally applicable safety and accident prevention regulations. Always empty the hopper of toxic materials to prevent harm to humans and animals after each use and prior to storage.

⚠ **WARNING! Do not put your hands inside the hopper when the agitator motor is turning as the agitator shaft inside the hopper rotates at high speed and is sharp and dangerous**.

⚠ **WARNING! Always isolate the power supply if servicing or leaving the machine unattended.**

2.1 Safety Warning Decals

Important: **Be aware of the safety warning below which are all relevant to this machine**

⚠ WARNING!

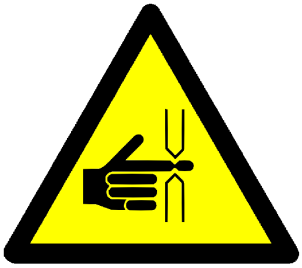
Read and understand the Operators Manual instructions before operating this machine.

Operator errors can result in serious injury.

⚠ WARNING!

Danger due to thrown or flying objects.

Always maintain a safe distance whilst the machine is in operation.



⚠ WARNING!

Risk of injury. Possible trapping point when tipping hopper.

⚠ WARNING!

Risk of injury.

Be aware the feed mechanism is powerful and can cause serious injury.

⚠ WARNING!

Keep Clear!

Maintain a safe distance from the machine when in operation.

Wear the appropriate protective personal equipment.

⚠ WARNING!

Do Not Jet Wash This machine is not designed to withstand Jet Washing.

3.0 Emergency Stop Instructions

In the case of an emergency always switch of the main power switch on the control panel and isolate the power supply immediately by disconnecting the power cable.

4.0 Storage

Disconnect the power supply by unplugging the power cable or removing the fuse in the power cable if storing the machine for long periods.

It is the responsibility of the operator to ensure the hopper is empty after each and use and cleaned thoroughly before storage.

Store in dry conditions to protect the machine and control system from moisture.

Always clean and spray electrical connectors with a moisture repellent spray when not in use for long periods.

5.0 PVC Waterproof Covers - Optional

Heavy duty White PVC cover fitted with eyelets and bungie cord for easy attachment.

65L Waterproof PVC Cover **Part No. 45FJT5002** 130L Waterproof PVC Cover **Part No. 45FJT5007**

Please contact your locals Stocks Ag dealer for more information

6.0 Disposal

Ensure that any persons handling the machine are aware that the machine may have been used to apply toxic chemicals and so the appropriate personal protection equipment should be worn.

Ensure the hopper contents have been removed and any toxic residue removed and put back into a sealed container or disposed of in accordance with the manufacturers guidelines to eliminate any possible contamination of others or the environment.

Always adhere to the local disposal regulations paying particular attention to the plastics, rubber, and electrical components.

7.0 General Maintenance

⚠ **WARNING! Always ensure the power supply is disconnected before any maintenance work or cleaning of this machine by unplugging the power cable or removing the fuse in the power cable.**

Ensure the parent machine is stationary and parked on level ground before working on the machine.

The machine must be checked regularly by the operator for any damage loose bolts or electrical connections, vibrations, unusual sounds, and to ensure they function correctly.

⚠ **WARNING! Protective clothing must be worn when applying or handling toxic products.**

Always observe all guidelines provided by the product manufacturer with regards to handling, storage and disposal of products. Take care not to spill any product that could contaminate the machine or the environment ensuring any product removed from the machine is put back into its original container.

7.1 Before Use

1. Ensure the machine is securely mounted.

2. Check the power supply is connected to the vehicle battery.

3. Check the feed block assembly to ensure the feed rollers are clean and replace any worn feed rollers.

4. Check the feed rollers rotate freely before starting work.

7.2 Daily Checks

1. Check the disc to motor shaft socket screws on the lower side of the spinning disc to ensure they are tight and the spinning disc turns with the motor.

2. Check the stainless disc for any wear or distortion and replace prior to use if necessary.

3. Check the feed block assembly to ensure the feed rollers rotate freely.

7.3 After Each Use

1. Empty hopper and clean the machine thoroughly.

2. Disconnect the power supply.

3. Replace the PVC waterproof cover (if applicable).

4. Store in dry conditions to protect the machine and control system from moisture.

⚠ **WARNING!**

DO NOT JET WASH THIS MACHINE.

8.0 Installation Guide

Safe lifting practice to be observed when handling the machine as the net weight is over 25kg.

Safety shoes and protective gloves to be worn when handling the machine.

With a full hopper the 65L machine could weigh in excess of 90kg and the 130L machine 95kg and so ensure the machine is securely attached to a suitably strong rigid mounting point.

If unsure seek advise from the parent machine manufacturer or supplier.

Locally fabricated mounting frames are not the responsibility of Stocks Ag Ltd.

NOTE: the machines can be operated facing forwards or backwards.

Ensure the disc height is a minimum of 1 metre above the crop canopy or the ground – more height may improve the maximum spread width.

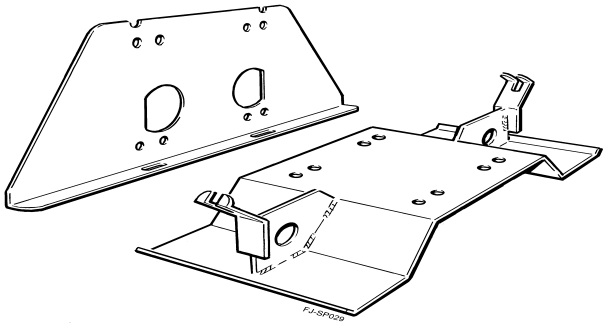
Ensure the power cable is connected direct to the parent vehicle 12v battery and the fuse is fitted correctly.

Always adhere to Health and Safety guidelines when mounting or fabricating an appropriate mounting frame and always wear suitable protective clothing.

8.1 ATV Fitting Kit - Optional

ATV fitting Kit available; Part No. 45FJT5405 (available through your local dealer).

NOTE: Always check specification of any ATV rear carrier before ordering.



Many rear carriers will not have the load carrying capacity to support the weight of a fully laden Fan Jet mounted on an ATV kit. Please check with your ATV supplier as modification may be available.

The Stocks ATV Kit provides a quick and easy way to attach your Fan Jet to the rear carrier of your ATV. Designed as a universal fitment to elevate the Fan Jet to gain more height to the spinning disc.

The formed steel base plate with quick fit clamps and jacking screws to mount the machine to the base plate and to adjust the angle of the disc when the ATV is fully laden.

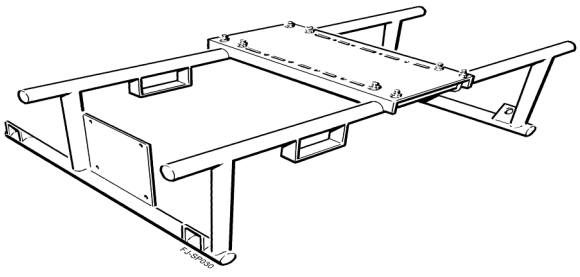
The kit includes an operator protection plate which bolts onto the back frame of the machine plus a short power and connector cable to maximise the power at the disc motor.

These are to be fitted rather than the standard length cables supplied with the Fan Jet machine.

8.2 UTV Fitting Kit - Optional

Part No. 45FJT5130 (available through your local dealer)

The cost option UTV kit available for most UTV fitments. Offering a sturdy fitting option with 4 hooked anchor points with hand release fittings. One piece tubular steel construction with detachable machine mounting plate. Fixed fork lift point safe and easy lifting on and off vehicle.



⚠ **WARNING! The control panel is not waterproof and so will need to be protected.**

8.3 Mounting Plate

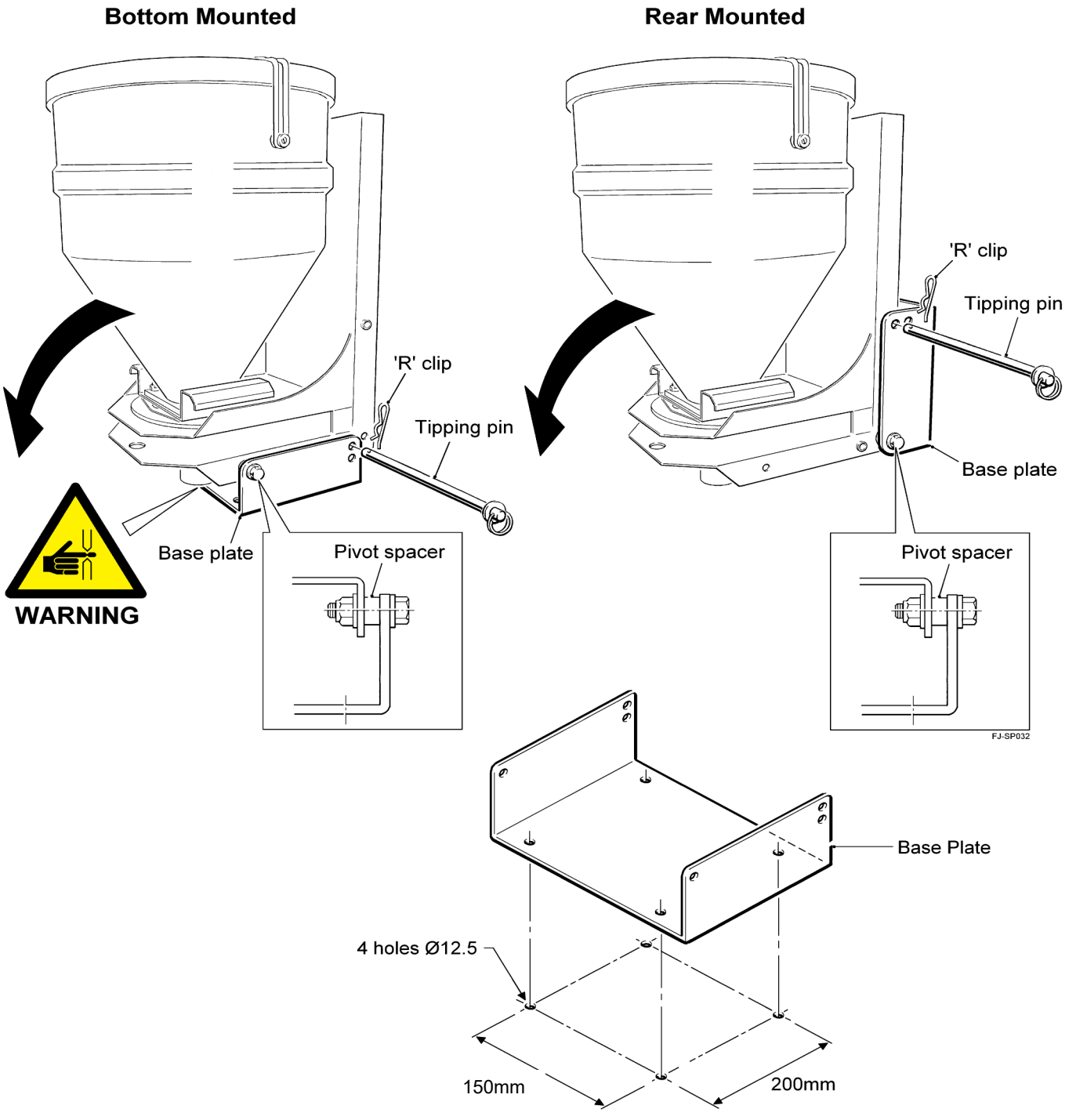
Mount the machine using the tipping base plate. This has 4 holes in the base to take M12 bolts (see below) use these to attach to the parent vehicle. The base plate can be repositioned to fit the holes in the back of the machine to attach to a vertical mounting point – use whichever is best for you.

Ensure there is sufficient room to tip the hopper for emptying and ensure any potential trapping points are noted taking care not to trap hands or fingers.

The tipping base plate is attached to the chassis by 2 bolts and spacers which act as the pivot, and a removable steel pin secured by an 'R' clip. There are 2 positions for the pin – use these to help level the Fan Jet.

The machine must be on level ground or flat surface before tipping the hopper to avoid the hopper accidently tipping forward once the tipping pin has been removed.

To tip the hopper, remove the pin whilst supporting the hopper, lower gently when emptying the hopper.



Additional Base Plates available: Part No. FJ514B

9.0 Hopper Emptying & Removal Procedure

Removing the hopper for cleaning and maintenance.

Ensure appropriate personal protection equipment is worn for the product being applied.

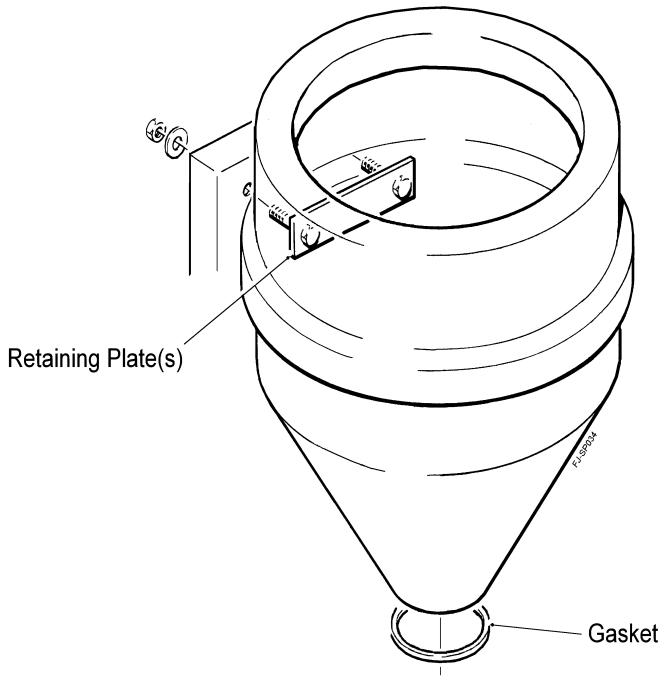
Ensure there is sufficient room to tip the hopper for emptying and ensure any potential trapping points are noted, taking care not to trap hands or fingers.

NOTE: The machine must be on level ground or flat surface before tipping the hopper to avoid the hopper accidently tipping forward once the tipping pin has been removed.

Release the rubber lid retaining straps and remove the lid.

To tip the hopper, remove the R Clip and washer. Whilst supporting the hopper, remove the Tipping Pin, lowering gently when emptying the hopper through the three outlet holes in the top. When replacing the hopper ensure the gasket fitted under the base of the hopper is in good order.

Replace if damaged: Part number FJ017S.



9.1 Clearing A Blockage

Switch off the main power switch on the control panel.

Ensure the parent machine is stationary, switched off and parked on level ground.

Ensure the main power switch on the control panel is off and unplug the 2 core power supply cable from the control box or disconnecting the power cable from the vehicle battery.

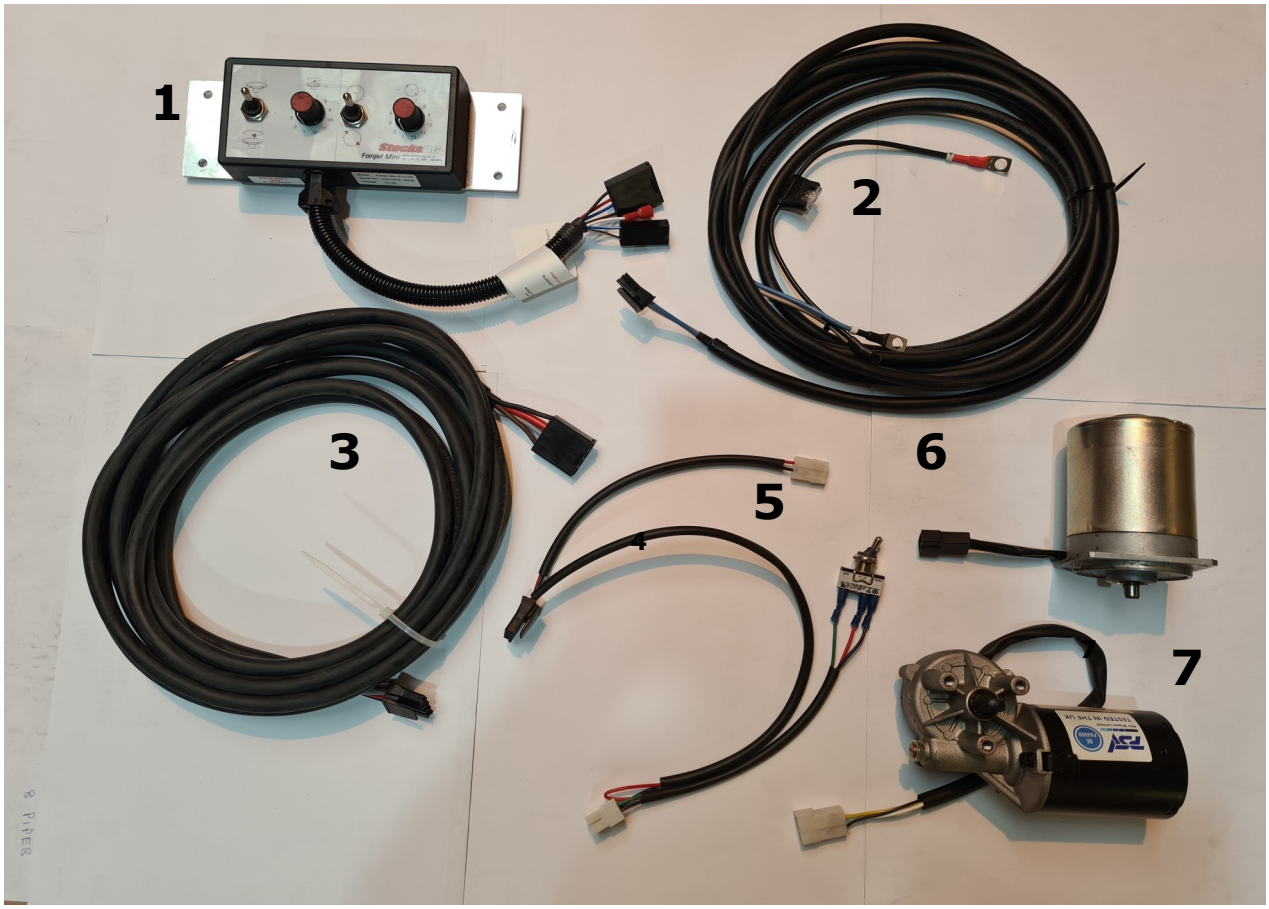
Ensure appropriate personal protection equipment is worn for the product being applied.

Ensure any product removed is put back into its original container. Care to be taken not to spill any product that could contamination the environment.

Empty the hopper of any remaining product.

10.0 Electrical Components

1. **FJ110B** Control Panel
2. **FJ107D** 5m Fused Power Cable
3. **FJ108D** 6m Control Connector Cable
4. **FJ109D** Tail Piece
5. **FJ055A** 12v Toggle Switch
6. **FJ057D** Disc Motor
7. **MM044C** Feed Motor



10.1 Electrical Connections

Ensure the power supply cable is connected directly to the vehicle battery to ensure maximum power.

Connect the positive wire (fused) to the positive (+) terminal and negative earth connection to the negative (-) terminal. The disc should rotate in a clockwise direction when viewed from above

Failure to connect to the vehicle battery may result in control function problems and possible damage to the vehicle battery and charging system must be in good condition to achieve the best results. All cables and controls are fitted with matching plugs and sockets. Extension cables available.

Any modification to the wiring, fuse holder or controls will invalidate any warranty claim and may affect the performance of the Fan Jet.

Always replace any blown fuse with the same rated fuse as the original one fitted**.**

11.0 Control System Operation

A simple and effective manually operated electric control used to instantly start and stop the feed motor at headlands, it uses a dial control to set the feed motor speed and thus the application rate. It is not linked to forward speed so once calibrated the operator drives at a consistent forward speed to maintain the rate, or can manually increase or decrease application rates on the move using the dial.

The control panel is supplied with self-adhesive Velcro strips to attach the console to a suitable surface.

11.1 Cab Control Panel

The control console has 2 x toggle switches, and 2 x 12 position rotary dials and which are used to control the spinning disc and the variable speed 12v feed motor.

A DISC MOTOR

Power ON/OFF switch, the toggle switch upper position is OFF and the lower position ON.

B DISC MOTOR SPEED CONTROL

Speed of the disc is controlled by the 12 position rotary dial with maximum speed achieved at position 12, lower settings used to reduce the disc speed and in turn the spread width.

C FEED MOTOR

ON/OFF switch, the toggle switch upper position is OFF and the lower position ON.

D FEED MOTOR SPEED CONTROL

Speed of the feed motor controlled by the 12 position rotary dial with maximum speed achieved at position 12 and by lowering the dial settings reduce the feed motor speed as required when calibrating.

⚠ **WARNING! Ensure the position and operation of the control panel does not affect the visibility of the operator or the ability to control the parent machine.**

12.0 Setting The Feed Rate

The feed rate is adjusted by the feed motor speed and by fitting different feed roller combinations. Each combination giving different feed rates of material per revolution. Refer to the Calibration Procedure page and with the appropriate feed rollers fitted, follow the instructions. You may have to change the feed rollers to obtain the application rate within a sensible forward speed range which is calculated during calibration procedure.

12.1 Feed Roller Configuration

The machine is fitted 10 white 5mm polyurethane 18 tooth feed rollers as standard these have a stainless steel drive disc embedded. Depending on the combination of required seeding rate, implement width and forward speed 2 to 10 feed rollers can be fitted with maximum rates achieved by fitting all 10 feed rollers. The black 5mm wide spacers supplied are the same width as the white feed rollers and used to replace feed rollers as required.

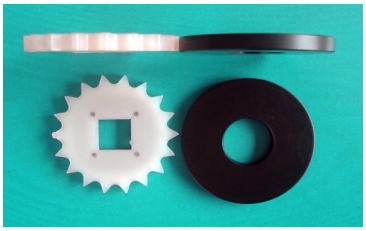
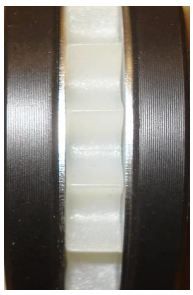


Photo below showing feed block assembly with 6 feed rollers and 6 blacking spacers fitted.



NOTE: Always ensure a stainless disc is fitted to each side of the set of 1,2,3,4 or 5 feed rollers used in each half of the feed block. They are important and needed to reduce friction between the feed rollers and the plastic spacers.

For higher outputs or applying large seeds or granules the machine is also supplied with 2 larger 8 section feed rollers and spacers to allow 1 or 2 to be fitted as required. The feed rollers are easily changed by removing the feed block as follows.

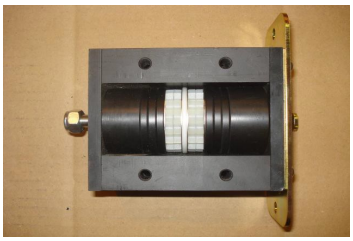


Photo Below showing feed block assembly with 2 larger 8 section feed rollers fitted.

NOTE: Empty the hopper completely before removing the feed block.

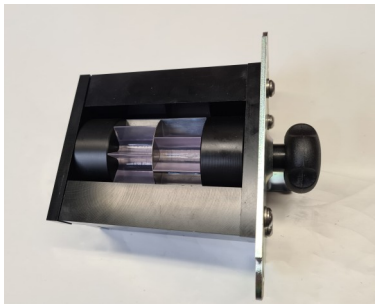
1. Undo and remove the 2 black plastic knobs holding the feed block in place.

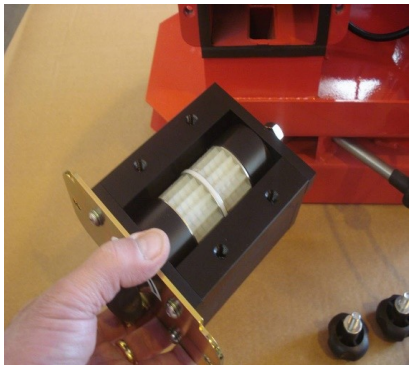
2. Slide the complete mechanism out.

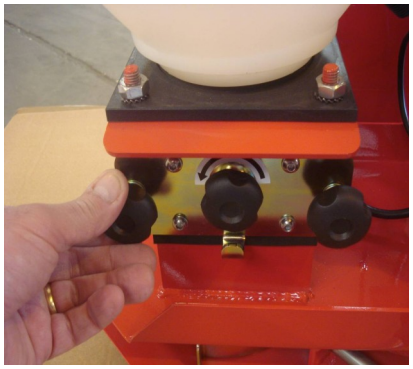
3. Undo and remove the 4 socket head screws on the end of the housing opposite the retaining plate and remove the end plate.

4. Slide the rollers and spacers off the shaft, and replace with the alternative rollers and spacers in the required combination.

5. Refit the end plates and re-fit the feed block and black plastic knobs.







When re-fitting the end plates to the feed block after changing the configuration, the end plate should be able to fit flush with the feed block by hand, without having to pull it home with the socket head screws.

NOTE: You should be able to rotate the feed shaft with your fingers – if it feels excessively tight, check the feed roller and spacer composition or call Stocks Ag for advice.

⚠ **WARNING! Always observe all application standards and guidelines provided by the product manufacturer as some products may be toxic. If unsure contact your supplier for more information.**

13.0 Spread Width And Pattern

BASIC RULE. The spread width is dependent upon the density of the granule or seed, and the disc speed (plus other factors).

Large, dense granules and seeds with a high disc speed give the maximum spread width – small, light granules and seeds will not spread as far.

Other factors affect the spread width:

Type of slug pellet. Typically, a large, dense hard pellet should spread further than a small, light, soft pellet, because it is comparatively heavy and does not powder on the disc. Typically, a 'wet' produced pellet will be hardest, a steam produced pellet mid range, and a dry produced pellet the softest. However, the line between traditional 'mini' pellets and 'full size' is blurred – most are of similar size and some lower priced dry produced pellets termed, as 'minis' are actually larger and heavier than more expensive wet produced pellets, and can have a good spreading characteristics.

Seed varieties and dressings. Different varieties and dressings will affect the density and the spread.

Wind Conditions. Dead calm conditions are the optimum: Any wind will affect the width pattern.

High forward speed. The same as driving into a headwind of the same speed on a calm day, this will peel the edges of the spread pattern backwards and inwards.

Disc speed. Altering the disc speed will affect the width and pattern. A higher disc speed will give a wider spread width.

Disc condition Ensure in good condition and not worn excessively. Replace if necessary.

Low disc height. Will not allow the product to reach its maximum width before gravity takes over.

Low electrical power. Will not allow the disc to reach full speed.

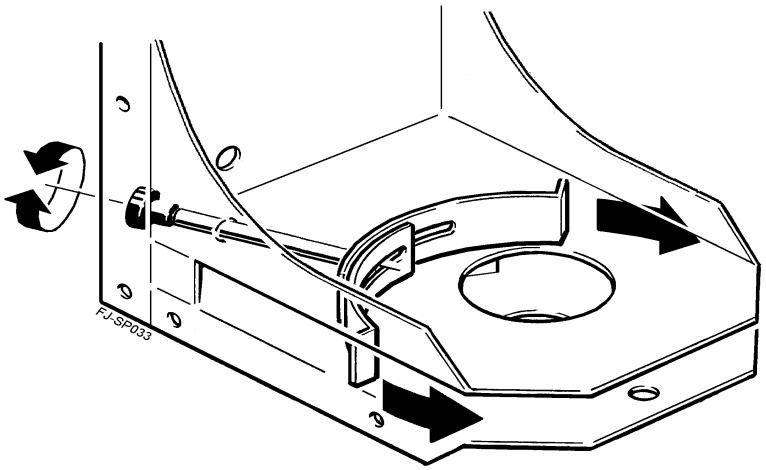
High application rates. Loads the disc more than a lighter rate and can slow it down.

Incorrect disc angle. It must be at least horizontal – not angled downwards.

It is the responsibility of the operator to ensure that no other persons enter the spreading zone whilst the machine is in operation.

13.1 Setting The Headland Deflectors

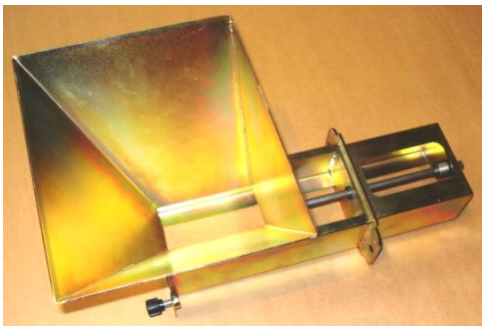
Adjustable deflectors that reduce the exit aperture from the disc are incorporated into the Fan Jet to physically limit the spread width for headland control. Undo the black plastic knob at the rear of the chassis and slide each deflector around the disc as far as required to prevent chemical granules from entering a watercourse of grass margin. Re-tighten the locking knob.



NOTE: Use the motor disc speed in conjunction with the deflectors, and the bias adjustment.

14.0 Calibration Hopper

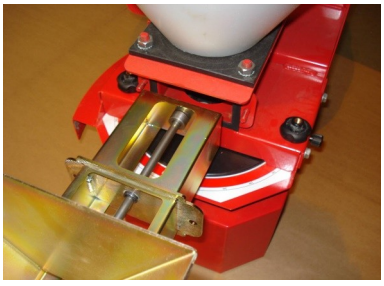
Part No. 45FJT5013



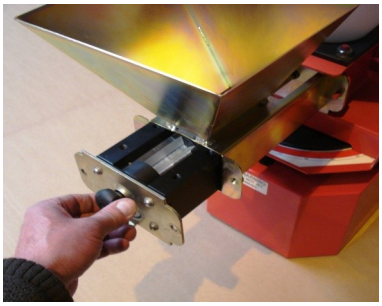
Calibration Hopper is not included as standard with this machine.

14.1 Fitting Instructions

1. With an empty hopper, remove the feed block assembly from the machine.



2. Slide the Calibration Hopper into the Fan Jet in place of the feed block with the hopper uppermost, ensure the drive shaft aligns and secure with the supplied screw knobs.



3. Insert the (removed) feed block into the Calibration Hopper, ensure the drive shaft aligns by slowly rotating the feed shaft.

4. Secure with the two small black PVC knobs supplied.

5. Place a suitable container under the Calibration Hopper to collect pellets whilst calibrating.

15.0 Product Calibration

NOTE: To ensure the maximum spread width is obtained when applying slug pellets large hard dense pellets must be used.

Some smaller, lighter and less dense pellets may not reach the full width especially in breezy conditions, and with many pellets the pattern may be thinner towards the outer edges. Ensure conditions are good and the discs are a minimum of 1m above the ground or crop canopy. Ensure the spread width and pattern is adequate for your requirements before going to work.

You will have to perform a catch and weigh test to establish the flow rate of product, and will need a suitable container to collect the product being metered and an accurate set of scales to weigh kilograms and grams, and a timer.

To establish the correct flow rate of pellets for your bout width, forward speed and application rate use the below formula.

$$\frac{\textbf{Application rate}\ (\text{kgs/ha}) \times \textbf{forward speed}\ (\text{kph}) \times \textbf{spread width}\ (\text{metres})}{\mathbf{600}} = \textbf{Flow rate}\ \text{in kgs per min}$$

Example 1.

The required application rate is 35 kilograms per hectare. The target forward speed is 10 kilometres per hour. The bout width is 6 metres wide.

$$\frac{\mathbf{35}\ (\text{kgs/ha}) \times \mathbf{10}\ (\text{kph}) \times \mathbf{6}\ (\text{m})}{\mathbf{600}} = \mathbf{3.5}\ \text{kgs per min}$$

Example 2.

The required application rate is 5 kilograms per hectare. The target forward speed is 10 kilometres per hour. The bout width is 4 metres wide.

$$\frac{\mathbf{5}\ (\text{kgs/ha}) \times \mathbf{10}\ (\text{kph}) \times \mathbf{4}\ (\text{m})}{\mathbf{600}} = \mathbf{0.333}\ \text{kgs per min}$$

16.0 Calibration Catch and Weigh Test

If using the calibration hopper only put a small amount of product in the calibration chute - do not fill in case the feed rolls have to be changed to achieve the rate (kgs/min).

If no calibration hopper available only fill the hopper with a small amount of product and prepare to catch product spinning off the disc with a bag or sheet of some kind.

NOTE: High and Low feed motor speed switch mounted on the motor guard.

The optional calibration hopper recommended when calibrating slug pellets or similar products.

See Spread Width And Pattern page for more information.

When you are ready to begin: Please refer to Control Panel Page.

1. Turn the disc motor speed dial **B** to setting no.1 to ensure the disc is rotating at the lowest RPM.

2. Switch on the main power/ ON Off switch **A.**

3. Switch the feed motor switch **C** on for the duration required.

4. Weigh the amount of product caught in kilograms.

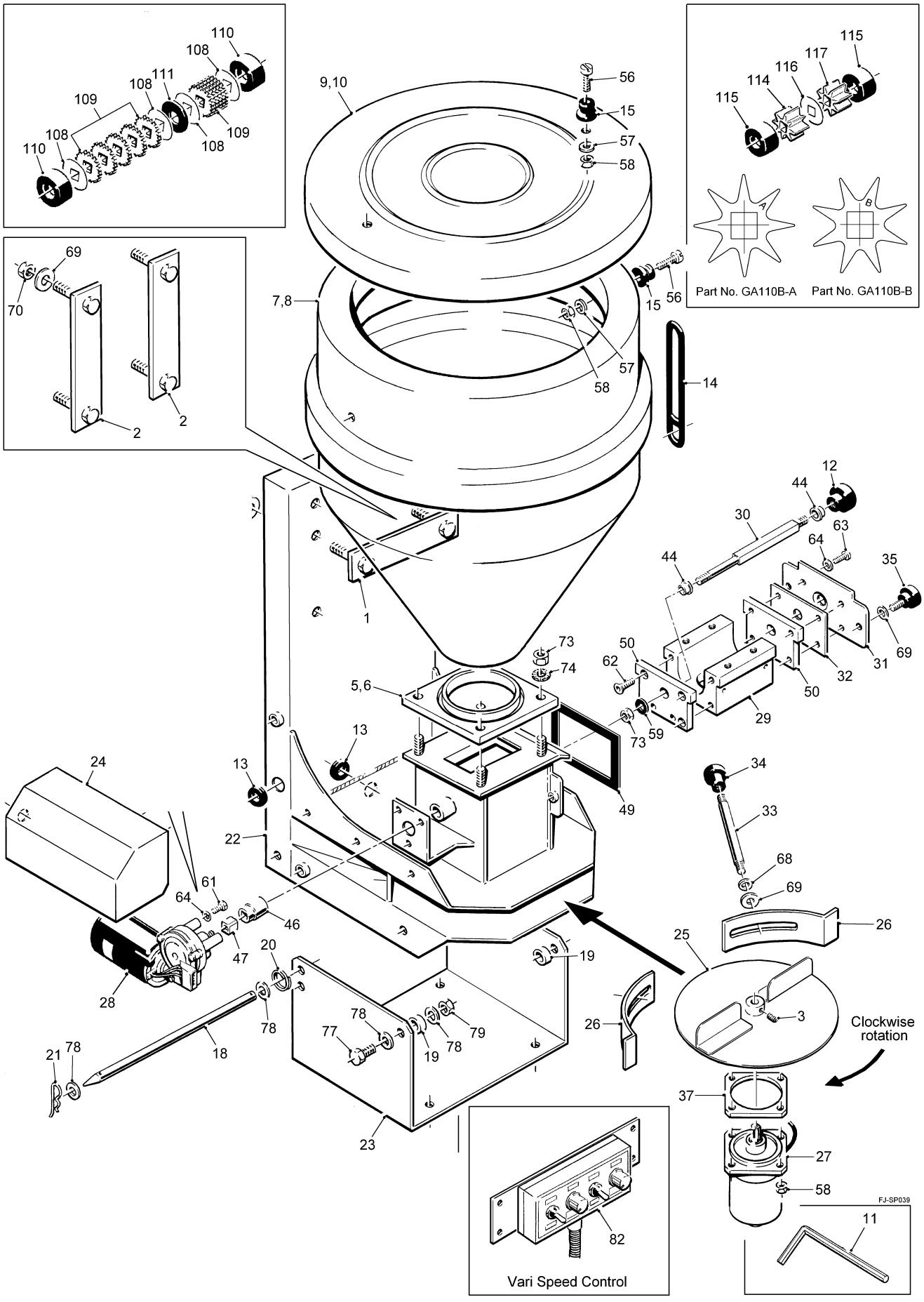
5. Refer to the calculated amount for your rate/width/speed required.

6. Use the feed motor high and low switch in conjunction with the speed dial **D** to increase or decrease the rate accordingly, repeat the procedure until the correct output for your machine width and forward speed is reached.

NOTE: If you do not run the catch test for 1 minute – for example 30 seconds – then you only need to collect half the amount indicated in the calibration formula**.**

RECORD THE SETTINGS FOR FUTURE USE

17.0 Fan Jet Mini Vari-Speed Parts Diagram



17.1 Fan Jet Mini Vari-Speed Parts List

Item	Part #	Description	Qty	Remarks
1	FJ003A	Hopper Bracket	1	65L only
2	FJ003A	Hopper Bracket	2	130L only
3	FJ008A	M6x6mm Grub Screw	2	
5	FJ017D	Hopper Base Plate	1	
6	FJ017S	Base Plate Seal	1	Not Shown
7	FJ026A-Ass.	65 Litre Hopper Assembly	1	
8	FJ026B-Ass.	130 Litre Hopper Assembly	1	
9	FJ027A-Ass.	65 Litre Hopper Lid Assembly	2	
10	FJ027B-Ass.	130 Litre Hopper Lid Assembly	2	
11	FJ028A	3mm Allen Key	1	
12	FJ033A	M8 Female Knob	1	
13	GR005	Rubber Grommet	2	
14	FJ103A-1	Rubber Tensioner	2	Qty x 3 on 130L
15	FJ104A-1	Bobbin	4	Qty x 6 on 130L
18	FJ415B	Tipping Pin	1	
19	FJ417A	Nylon Spacer	2	
20	FJ418A	Split Ring	1	
21	FJ419A	3mm "R" Pin	1	
22	FJ500B	Chassis Weld Assembly	1	
23	FJ514B	Tipping Base Plate	1	
24	MM055A	Motor Guard Assembly	1	
25	MFJ007A	Disc Assembly	1	
26	FJ509A	Deflector	2	
27	FJ057D	Disc Motor	1	
28	MM044C	Feed Motor	1	
29	GA108	Feed Block	1	
30	GA113B	Feed Shaft	1	
31	FJ540B	Feed Block Mounting Plate	1	
32	FJ539A	Block Packer	1	
33	TJ131	4mm Allen Key	1	(not shown)
35	FJ032B	M8 x 15 Knob	2	
33	FJ030A	Deflector Knob Tube	1	
34	FJ032A	M8 x 8.5 Knob	1	
37	FJ736B	Motor Spacer Plate	1	(not shown)
44	GA103	PVC Bush	2	
46	MM048	17mm Drive Socket	1	
47	MM049	Drive Square	1	
49	TJ040	Feed Block Gasket	1	
50	GA109	Feed Block End Plate	2	
51	MD005	Decal "FAN JET"	1	(not shown)
52	MD008	Decal "Mini"	1	(not shown)
53	MD052	Decal "Warning" Keep Clear - Wear PPE	1	(not shown)
54	MD050	"Warning" Decal Set- Thrown or Flying objects	1	(not shown)
55	MD002	Decal "STOCKS Ag"	1	(not shown)

17.2 Fan Jet Mini Parts List Cont

Item	Part #	Description	Qty	Remarks
56	M5-012	M5x25 Slot Head CSK Screw	4	Qty x 6 on 130L
57	M5-014	M5 Flat Washer	4	Qty x 6 on 130L
58	M5-017	M5 Nyloc Nut	8	Qty x 10 on 130L
59	TJ033	Feed Block Gasket	1	
61	M6-004	M6 x 16 Hex Head Set Screw	3	
62	M6-007	M6x20 CSK Set Screw	4	
63	M6-008	M6x25 Button Head Set Screw	4	
64	M6-016	M6 Flat Washer	7	
68	M8-010	M8 Flat Washer	1	
69	M8-012	M8 Repair Washer	3	Qty x 5 on 130L
70	M8-017	M8 Nyloc Nut	2	Qty x 4 on 130L
73	M10-023	M10 Nut S/S	5	
74	M10-026	M10 Shakeproof Washer S/S	4	
77	M12-006	M12x40 Set Screw	2	
78	M12-008	M12 Flat Washer	6	
79	M12-014	M12 Nyloc Nut	2	
82	FJ110D	Control Panel	1	
83	FJ107D	5m Fused Power Cable	1	(not shown)
84	FJ108D	6m Connector Cable	1	(not shown)
85	FJ109D	Tail Piece	1	(not shown)
108	TJ199	Stainless Steel Shim	4	
109	TJ200	5mm Small Seed Roller (White)	10	
110	GA114	24mm Black Spacer	2	
111	TJ207	3mm Black Spacer	1	
110	TJ205	5mm Black Blanking Spacer	8	(not shown)
114	GA110B-A	8 Section Feed Roller (A)	1	
115	GA114	24mm Black Spacer	2	
116	TJ199	Stainless Steel Shim	1	
117	GA110B-B	8 Section Feed Roller (B)	1	

Items: 24a , 28a, 36, 42, 82 and items 89 to 106 not supplied with this model

Notes