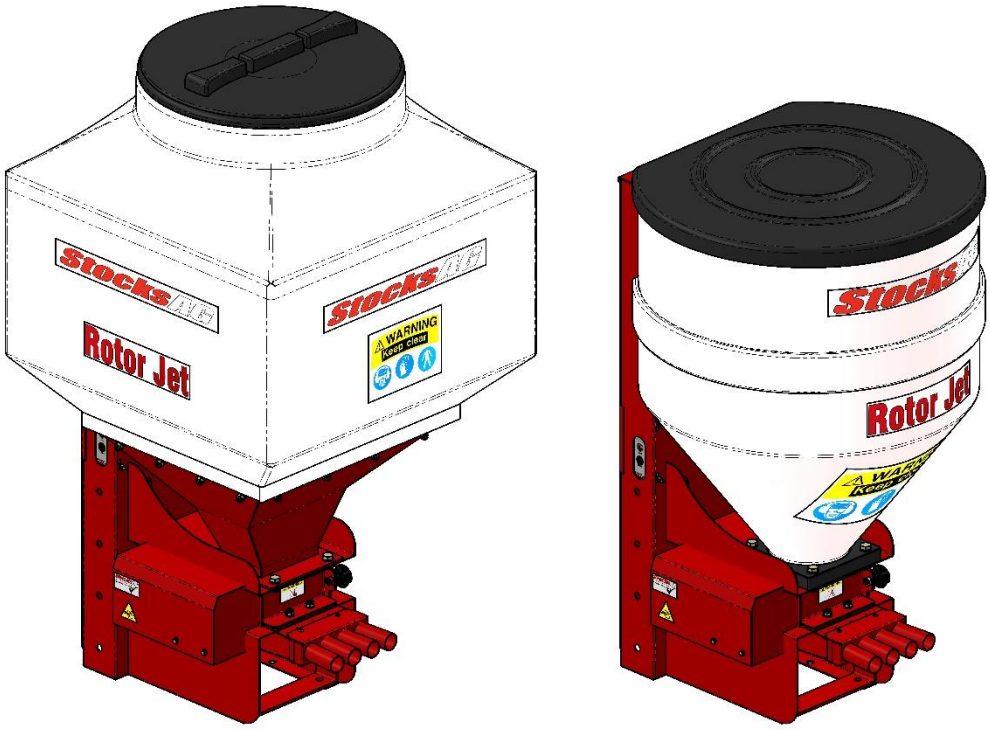
StocksAG

Rotor Jet 130 and 240 – 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
01945 464909 sales@stocks-ag.co.uk www.stocks-ag.co.uk

TABLE OF CONTENTS

StocksAG

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 Plus	All Variants and Versions
	Fan Jet Mini	All Variants and Versions
	Fan Jet Duo	All Variants and Versions
	Maxi Jet	All Variants and Versions
	Turbo Jet	All Variants and Versions
	Rotor Meter	All Variants and Versions
	Rotor Jet	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 fertiliser 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

CE

t. +44 (0) 1945 464909 f. +44 (0) 1945 464985 e. sales@stocks-ag.co.uk

StocksAG

UKCA. DECLARATION OF CONFORMITY

Machine Type:	Mounted Agricultural Implement - Pellet and Seed application broadcasters	
Model(s):	Fan Jet Pro	All Variants and Versions
	Fan Jet Plus	All Variants and Versions
	Fan Jet Mini	All Variants and Versions
	Fan Jet Duo	All Variants and Versions
	Maxi Jet	All Variants and Versions
	Turbo Jet	All Variants and Versions
	Rotor Meter	All Variants and Versions
	Rotor Jet	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 fertiliser 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: 01st December 2020

Position: Managing Director

UK CA

t. +44 (0) 1945 464909 f. +44 (0) 1945 464985 e. sales@stocks-ag.co.uk

1.0 General Information

Congratulations on your Rotor Jet 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 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: Rotor Jet Vari Speed

Hopper capacity: 130 litre or 240 litre

Max spreading width 12v fan: RJ - 4 outlets 3m

RJ – 8 outlets 4m

Operating voltage: 12v

Power requirement: 25 amps

Motor output: 360 watt

Noise level: 50dB Electric Fan

Power consumption of the motor: 25 amps when starting, up to 20 amps during normal operation

130 litre machine:	
Net weight:	42kg with spreader kit 52kg
Dimensions:	66 x 100 x 116cm

240 litre machine:	
Net weight:	50kg with spreader kit 65kg
Dimensions:	70 x 110 x 143cm

1.2 Intended Use

This Rotor Jet has been designed solely to apply small seed and granular products for use in the agricultural, horticulture and the amenity sectors.

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.

NOTE: Do not use this machine during adverse weather conditions.

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 and 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 can be identified by the serial number decal mounted on the steel chassis to the left of the feed cassette.

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.

Stocks Ag cannot be held responsible for any claims or injuries to the owner or any third parties while in the operation of Stocks Ag equipment.

On no account can Stocks Ag be held liable for accidental or consequential damages (including loss on anticipated profits) for any impairment due to failure or defect of the machine.

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 50dB.**

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 to ensure it functions correctly.

2.0 Safety Continued

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 Decals

⚠**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 off the main power switch on the control panel and isolate the power supply immediately by disconnecting the power cable.

"POWER OFF" SWITCH POSITION

4.0 Storage

Disconnect the power supply by unplugging the power cable or by removing the fuse fitted in the power cable.

It is the responsibility of the operator to ensure the hopper is empty after 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.

Fit the PVC waterproof cover (if available).

Ensure feed blocks are free to turn and all electrical cables checked following periods of storage.

5.0 PVC Waterproof Covers

Heavy-duty white PVC covers fitted with eyelets and bungee cord for easy attachment.

Please contact your local 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 and any toxic residue have been 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

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, to ensure it functions correctly.

⚠**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.**

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.

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

7.1 Before use

1. Ensure the machine is securely mounted.

2. Check the power supply and ensure the power cable is connected directly to the vehicle battery.

3. Check the feed block is configured correctly and free running before starting work.

7.2 Daily Checks

1. Check the feed motor and agitator motors are working correctly.

2. Check the 12v fan and air intake meshes are clean and free from any debris.

3. Check feed hoses for any blockages and all hose clips are tight.

4. Check the spreader plates are positioned correctly.

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

The Rotor Jet can be used for a wide variety of seeding applications in conjunction with a wide variety of parent implements.

It is not practical to supply tailored mounting brackets for every implement on the market, and so the final attachment of the Rotor Jet to the implement is the responsibility of the supplying dealer or end user.

The positioning of the hopper, the spreader plate and "C" section mounting rails, if used, will depend upon the type and design of host implement. Here are a few basic pointers to ensure the Rotor Jet performs correctly.

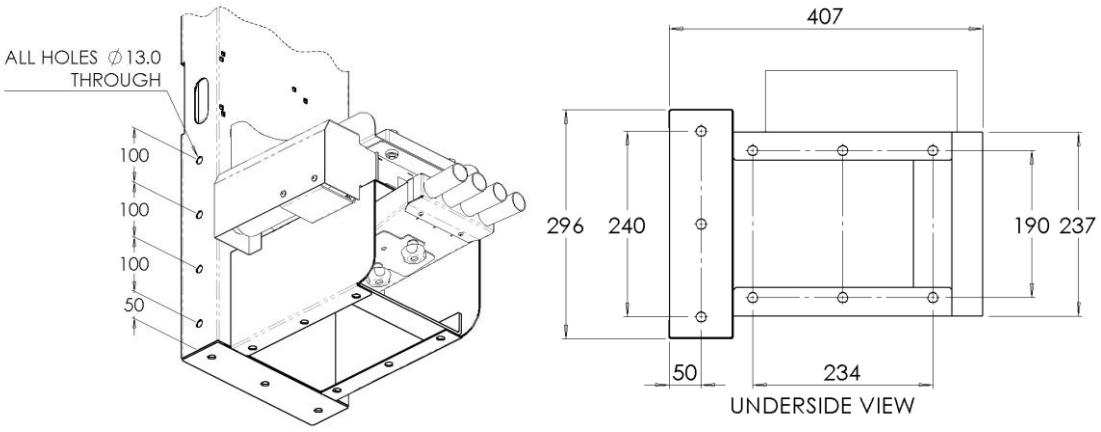
Position the Rotor Jet high enough above the implement to facilitate routing of the flexible tubes, to the spreader plates, without severe bends or uphill runs. Try to route all tubes generally downhill. Do not block the air intake to the fans under the base plate.

If mounting on a folding implement, ensure the wing sections do not foul the hopper and all hose runs are long enough to fold with the implement.

Ensure you can access the hopper to fill, are able to remove the feed block assembly and position the calibration tray underneath to calibrate or empty.

When filling, emptying or calibrating the Rotor Jet ensure you work safely. If necessary, fabricate and fit a work platform and steps, complete with handrails. The hopper may face forwards or backwards, whichever offers the easiest mounting and best flexible hose run. Select a strong, rigid position and use the heavy flat base plate provided to weld or bolt to your implement as per the following example.

8.1 Base Plate



8.2 Spreader Plates

The machine has 4 outlets, if required the feed hoses can be split with the black "Y" connectors in the relevant kits, to give 8 spreader plates. This depends on the implement width and if you require a broadcast or band sown effect.

Plan the positioning of the pipes/spreader plates to be equal distantce across the width of your implement. If using the black plastic "Y" connectors ensure they are fitted above the spreader plate using as short a run of flexible hose to the plates a possible, whilst still providing a smooth flow and being of equal length. It is recommended that a straight of a minimum 300mm section of pipe is utilised prior to the "Y" connector, to ensure a more even split of product. Flexible hoses from the connectors run to the outlet pipes on the Rotor Jet. Aim to route all hoses smoothly and generally downhill from the hopper to the spreader plate, avoiding severe bends and uphill runs.

8.3 Spreader Plate Set Up

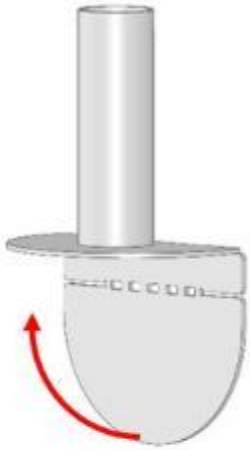
The Stocks Ag spreader plate was developed to allow a wider spread pattern while positioning the outlets closer to the ground.

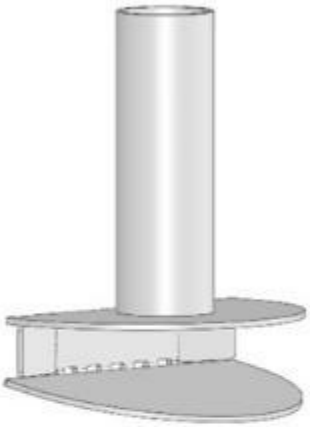
For products such as grass seed, oil seed rape and Avadex, a spread width per outlet of 750mm is achievable from as low as 250mm above the ground (air flow dependent).

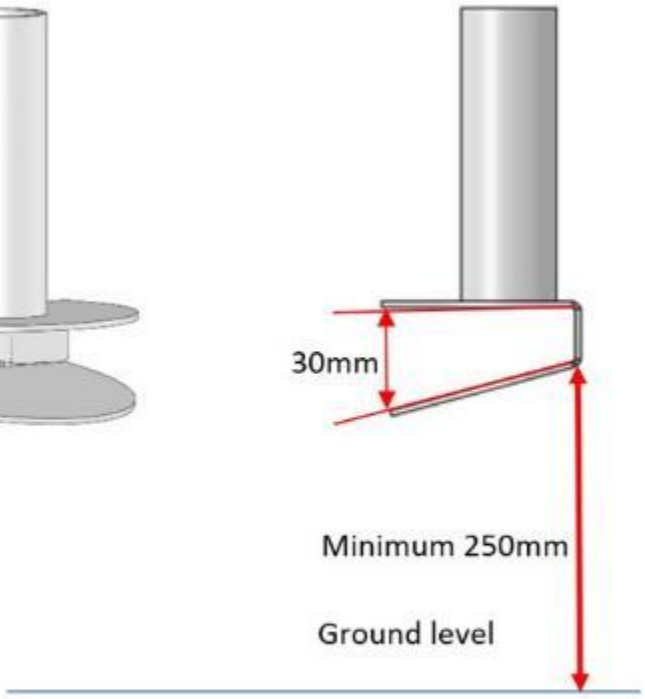
A 3m grass harrow only requires 4 evenly spaced outlets. With the addition of the "Y" pieces a max spread width of 4m is achievable.

The spreader plates have two main adjustments to set up the optimum spread pattern to suit a variety of products and machine fitments.

The main bottom plate requires bending into position. The angle of the bottom plate alters the spread width from each outlet. A common setup would be to bend from vertical to approximately 30mm at the opening (see below).



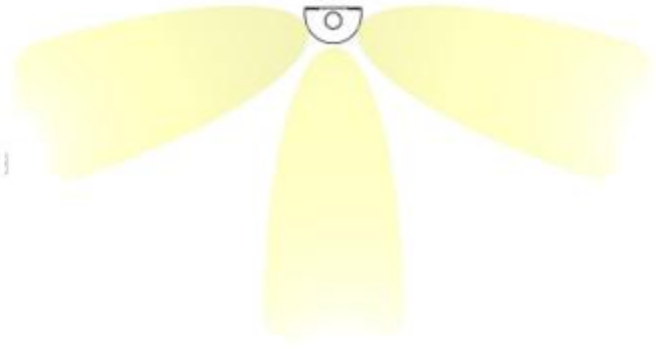




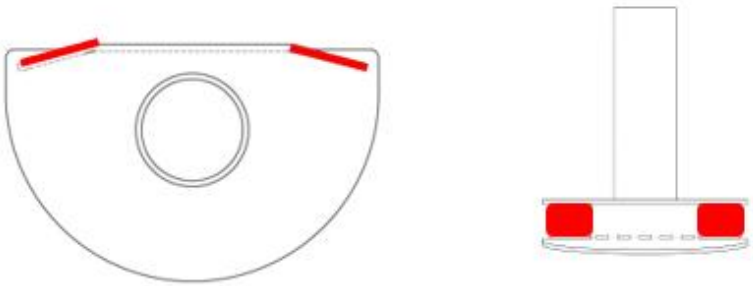
8.3 Spreader Plate Set Up Continued

There are two adjustable tabs on the back plate of each outlet. These tabs are used to create an even arc shaped spread pattern and when required, to adjust overlap between outlets.

When the back plate is left straight, some products can produce a spread pattern similar to the diagram below.



By bending the back plate tabs in slightly (see diagram below).



The coverage of the product over the ground can be made much more uniform.

These recommended settings are an initial guide; set up may vary between different products and machine fitments and require further adjustment.

8.4 “C” Section Rail

The spreader plates themselves are mounted to the “C” section rails, these can be ordered in 2m lengths as an option. Part no. **47TJT5008**. These can be cut down to suit the implement width. The “C” section rails can be attached to the implement using the supplied straight brackets, two per rail, which can be welded or bolted into position.

The spreader plates slide along the rails to give the planned spacing and lock into position using the integral bolts. It is generally better to position the spreader plates facing the rear of the implement as this can prevent wet mud or tilth being thrown up into the mouth of the spreader causing blockages, especially if positioned close behind the tractor wheels, roller or discs.

8.5 Feed Hose

The feed hose comes in lengths of 4m for the 4 outlet and 8m for the 8 outlet kits, to be ordered as an option with a new machine. Extra feed hose can be ordered by the metre as a spare part. This requires cutting into lengths according to the positioning of the hopper and spreader. Ensure all hose runs are as short as possible whilst giving a smooth downhill route to the spreader plates. Avoid kinks, severe bends or uphill runs. Plan and measure the individual hose runs before cutting, fit the hose clips to the “Y” connector tails.

9.0 Machine Components

9.1 Feed Motor

The feed motor can be turned ON or OFF, either manually via the head unit, or automatically by the remote mounted spring finger switch which can be fitted to the linkage or the implement. The feed motor must be switched ON via the head unit for the spring finger switch to work automatically.

9.2 12v Fan

The fan can be switched on and off and the fan speed adjusted on the instrument panel.

9.3 Main Power Cable

The power cable should connect directly to the vehicle battery posts to ensure an adequate 12v supply to the disc motor. The in-line is 15 amp. This 7m power cable connects the battery to the power input fly-lead on the machine.

9.4 Instrument Lead

The 6m instrument lead connects to the junction box of the Rotor Jet and runs to the control panel in the tractor cab.

NOTE: Extension power and instrument cables are available, if required.

Please contact your local Stocks Ag dealer for more information.

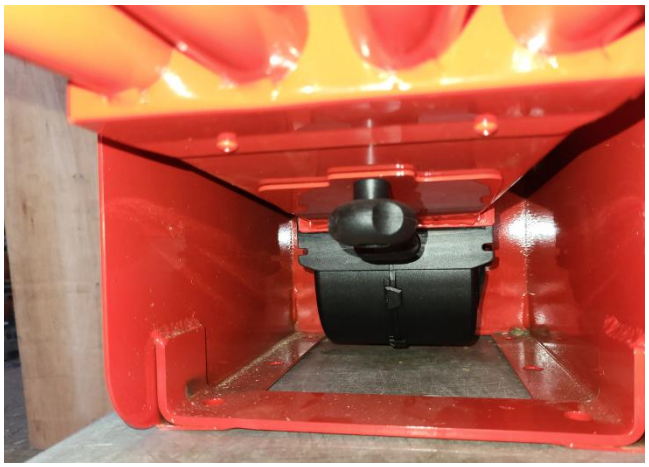
10.0 Inspection

10.1 12v Fan Inspection

⚠**WARNING**! **Always isolate the power before inspecting or servicing the machine.**

To inspect the fan unit, look underneath the hose outlet manifold, the fan is bolted to the rear. Wearing appropriate PPE, use an airline and brush to clean the fan blades regularly to maintain performance and prevent eccentric running.

Always check the fan air intakes are clean and free from debris.



10.2 Feed Block Assembly Inspection

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

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

1. Empty the hopper completely to prevent spillage, unscrew the two threaded knobs and drop the cover under the feed rolls. Position the plastic collection tray directly underneath to catch any remaining seed or product.

2. Undo and remove the 2 black plastic knobs holding the mechanism in place and slide out the feed block assembly.

Be aware that the feed block assembly may retain some seed product.

3**.** Use an airline and brush to clean the feed block and internal components checking for any wear or damage. Replace any worn or damaged parts as necessary. When doing this wear appropriate PPE.

4. Before re-fitting the feed block ensure the feed shaft can be turned easily by hand using the black PVC knob fitted to the end of the shaft. If it is difficult to turn remove the end cap at the opposite end of the feed block assembly and remove all spacers and feed rollers by sliding each one off the shaft.

5. Check the drive shaft engages correctly when sliding the feed block back into the machine by slowly rotating the central black plastic knob before re-fitting the outer black plastic retaining knobs.

11.0 Hopper Emptying Procedure

To empty the hopper out, switch on the feed motor to meter product out through the calibration cover, into a suitable container. Any remaining product is best removed using an industrial vacuum before the feed block is removed from the machine.

Once the feed block has been removed from the machine dispose of any remaining product held in the feed block. Undo the bottom calibration door and check the air chambers for any sign of debris, or build up of product, and clear as necessary.

12.0 Clearing a Feed Hose Blockage

In the unlikely event of a blockage, remove the hose and clear any obstruction from within the hose or manifold on the machine. Remove the feed block and check the air chamber below the feed block opening and clear any debris. Re-position the feed hoses if this has been the cause of the problem.

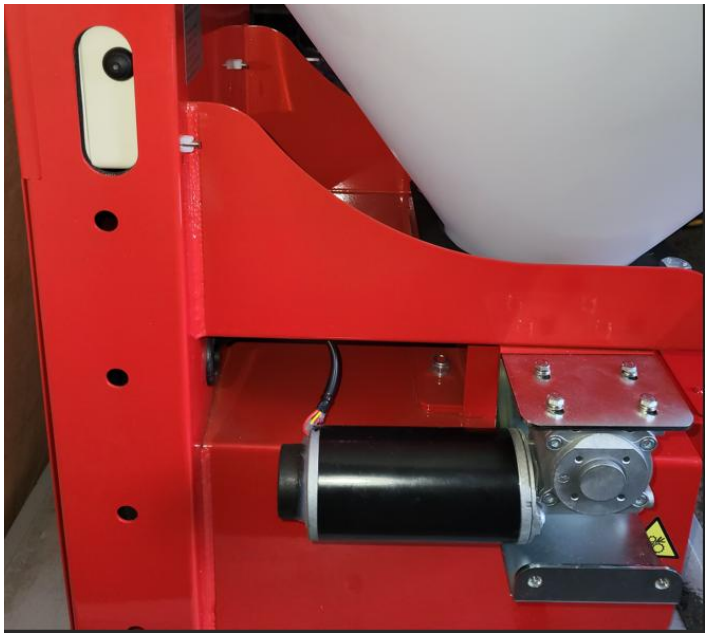
⚠**WARNING Always observe all application standards and guidelines provided by the product manufacturer as some seed dressings and granular products may be toxic**.

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

13.0 Checking the Feed Motor

Firstly, empty the hopper then remove the feed block assembly. Remove the motor guard by releasing the fixing screws.

If the shaft is not rotating this may indicate the motor is faulty or has been damaged and needs to be replaced.



WARNING This procedure must be carried out by a competent person who is aware of any risks involved as moving parts of this machine are powerful and can cause injury.

For any parts or if no faults found and the alarm persists contact your local Stocks Ag dealer.

14.0 Vari Speed Product Calibration

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

Application rate kgs/ha x **forward speed** kph x **spread width** metres = **Product Dispensed** in kgs per minute

600

For example:

The required application rate is 35 kilograms per hectare. The target forward speed is 10 kilometres per hour.

The working width is 6 metres.

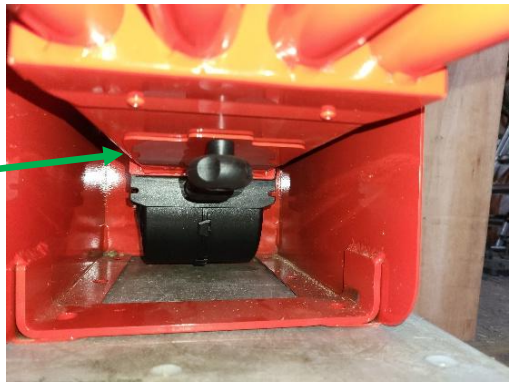
35 kgs/ha x **10** kph x **6**m = **3.5** kgs per minute

600

NOTE: The feed rate is adjusted by the feed motor speed and by fitting different feed roller combinations. Each combination gives different feed rates of material per revolution. Refer to the Product Calibration pages 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. This is calculated during the calibration procedure.

15.0 Calibration Catch and Weigh Test

Calibration cover.



1. Unscrew the two knobs that hold the calibration cover on the bottom of the air manifold (see photo above).
2. Position a collection container directly underneath to catch the product being calibrated.
3. Put a small amount of product in the hopper.
4. Do not fill the hopper at this stage as the feed block assembly may have to be removed and the feed rollers changed to achieve the correct feed rate kgs/Ha at the required forward speed kph.
5. Perform the catch and weigh test.
    a. For running the test, turn the fan speed all the way down, using the left hand dial on the control box.
    b. Be ready to time the test - switch on the feed rolls – start timing – stop the feed rolls after 1 minute. If the volume of product dispensed in 1 minute is more than the container can hold. Run the calibration for 30 seconds and double the weight.
    c. Accurately weigh the product metered over the timed period and compare the weight collected to the figure worked out by the calibration formula. Increase or decrease the feed roll speed until you collect the correct amount of product for your rate, width and forward speed.
    d. Use the cab control to adjust the speed of the feed roller with the motor speed dial, to achieve the rate required in a 1-minute catch test.

16.0 Vari Speed Control Box

This is a simple and effective low cost 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 left hand toggle switch **A is Power On / Off** and starts and stops the fan motor.
- The fan motor is controlled using the left hand 12 position rotary dial **B. This offers 12 different speeds**.
- The right hand toggle switch **C is the feed motor control** and starts and stops the feed motor.
- The right hand rotary dial **D adjusts the motor speed**.

17.0 Remote Cut Out Switch

The Vari Speed control boxes have a spare white wire within the wiring harness which can be earthed to negative - via a suitable remote switch to switch off the feed motor. Using this wire an additional switch can be positioned to activate when the parent implement is raised and lowered.

NOTE: A heavy-duty cut out switch is available. For more information please consult your local Stocks Ag dealer.

18.0 Electrical Components

1. **FJ110B** Control Panel
2. **FJ107D** 5m Fused Power Cable
3. **FJ108D** 6m Control Connector Cable
4. **FJ109E** Tail Piece
5. **TJ120** 12v Fan Unit
6. **TJ044B** Feed Motor

19.0 Electrical Connections

12-volt, 30-amp power is required.

The machine is supplied with a control console and all wiring.

Ensure the power supply, cable 2, is connected direct 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.

Control extension cables are available, please enquire.

WARNING! Failure to connect to the vehicle battery may result in control function problems and possible damage to the vehicle battery. The charging system must be in good condition to achieve the best results.

All cables and controls are fitted with matching plugs and sockets.

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

Always replace any blown fuse with the same amp-rated blade-type fuse as per the original one fitted.

20.0 Vari Speed Control – Drawing and Parts

Vari Speed Control Box

Part number: FJ110B

5m Fused Power Cable

Part number: FJ107D

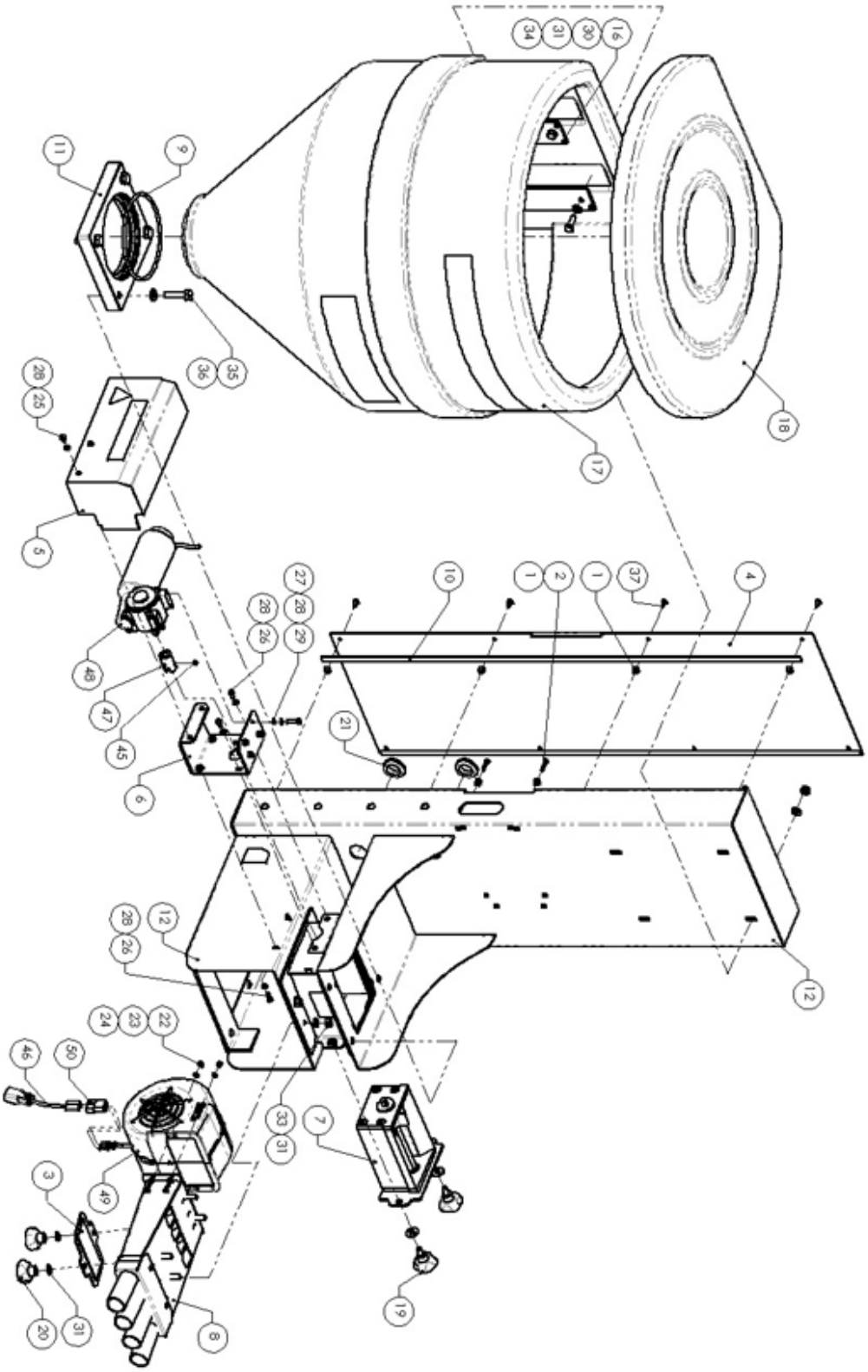
6m Control Connector Cable

Part number: FJ108D

Tail Piece

Part number FJ109E

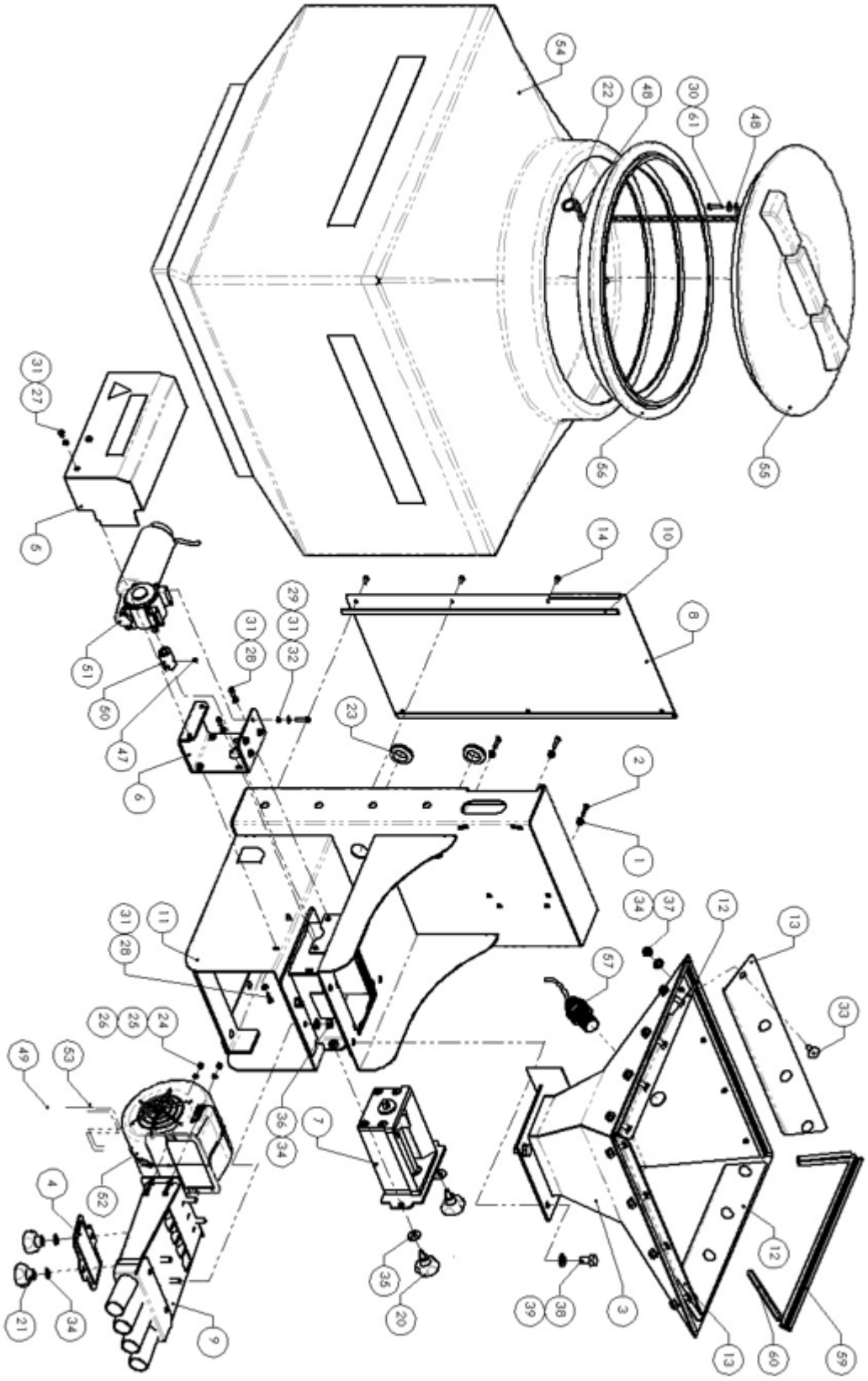
21.0 Rotor Jet 130 Parts Drawing



22.0 Rotor Jet 130 Parts List

ITEM No	PART No	DESCRIPTION	QTY
1	47RME5026	ROTOR JET HIGH OUTPUT 59.0mm DIAMETER FEED BLOCK KIT	1
2	89APP1011	JETPRESS CAN 015 SQUARE HEADED SCREW GROMMET	12
3	97APC4027	AIR CHAMBER DOOR WELD ASSEMBLY	1
4	97APC4029	BACK PLATE REAR COVER	1
5	97APC4034	DUNKER MOTOR GUARD WELD ASSEMBLY	1
6	97APC4038	DUNKER MOTOR BRACKET WELD ASSEMBLY	1
7	97APC4039	6mm WIDE x 3mm THICK CLOSED CELL SELF ADHESIVE TAPE	1
8	97APC4084	4 OUTLET AIR BOX WELD ASSEMBLY	1
9	97APC4086	5mm SECTION 140mm BORE O-RING NI 70	1
10	97APC4088	10.0 WIDE x 3.0 THICK SELF ADHESIVE FOAM STRIP (BLACK)	2
11	97APC4115	HOPPER BASE PLATE	1
12	97APC4230	CHASSIS WELD ASSEMBLY - 130L	1
13	98APP1025	STOCKS AG DECAL	1
14	98APP1051	ROTOR JET SERIAL No. UKCA CE	1
15	98APP1052	ROTOR JET DECAL	1
16	FJ005A	HOPPER BRACKET PLATE	2
17	FJ026B	130L HOPPER	1
18	FJ026B	DECAL - KEEP CLEAR	1
19	FJ027B	130L HOPPER LID	1
20	FJ032B	M8 X 15 PLASTIC KNOB - BLACK	2
21	FJ033A	M8 FEMALE PLASTIC KNOB - BLACK	2
22	GR005	GROMMET	3
23	M4-003	M4 x 10 HEX HEAD SET SCREW ST/ST	4
24	M4-004A	M4 NYLOC NUT T TYPE BZP	4
25	M4-006	M4 FLAT WASHER FORM A ST/ST	8
26	M4-011	M4 x 25 HEX SOC CAP HEAD SET SCREW ST/ST	4
27	M5-002	M5 x 12 SOC CAP HEAD SET SCREW ST/ST	4
28	M5-004	M5 x 12 HEX HEAD SET SCREW ST/ST	6
29	M5-014	M5 FLAT WASHER FORM A ST/ST	10
30	M5-019	M5 SPRING WASHER ST/ST	8
31	M8-006	M8 x 25 HEX HEAD SET SCREW SELF COLOUR	4
32	M8-010	M8 FLAT WASHER FORM A BZP	9
33	M8-017	M8 NYLOC NUT T TYPE ST/ST	4
34	M8-019	M8 NYLOC NUT T TYPE BZP	4
35	M10-009	M10 x 40 HEX HEAD SET SCREW BZP	4
36	M10-016	M10 FLAT WASHER FORM A BZP	4
37	M10-028	No. 10 x 13 POZI SELF TAPPING PAN HEAD SCREW ST ST	8
38	MD019	STOCKS QUALITY TICK DECAL	1
39	MD021	ROTATION ARROW DECAL	1
40	MD024	"MADE IN BRITAIN DECAL	1
41	MD051	WARNING DECAL	1
42	MD051	WARNING DECAL	1
43	MD051	WARNING DECAL	1
44	MD051	WARNING DECAL	1
45	MM008A	M6 x 6 CUP POINT HEX SOCKET GRUB SCREW ST/ST	1
46	STO1138	MOTOR ADAPTOR LEAD	1
47	TJ043A	MOTOR DRIVE COUPLING - SLOTTED	1
48	TJ044B	12 Vdc FEED MOTOR	1
49	TJ120	CENTRIFUGAL SINGLE FAN UNIT	1
50	TJ122	2 WAY MALE CONNECTOR	1

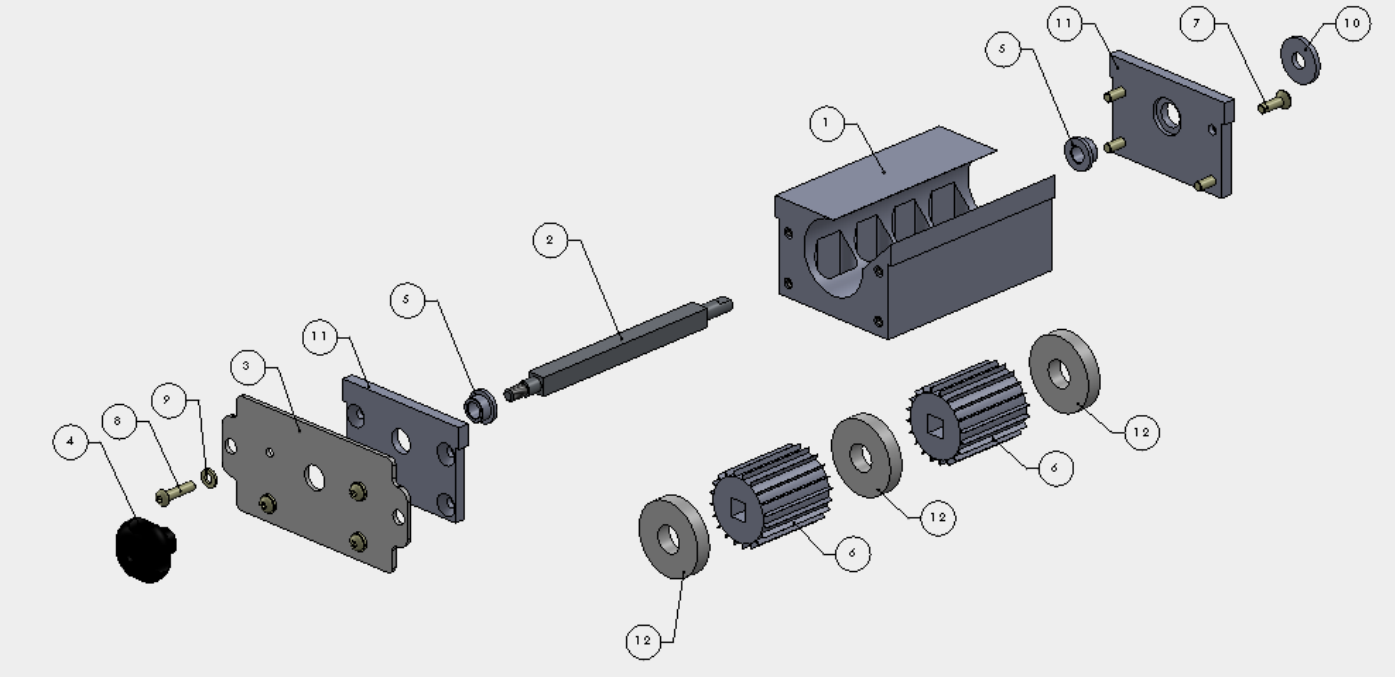
24.0 Rotor Jet 240 Parts Drawing.



25.0 Rotor Jet 240 Parts List

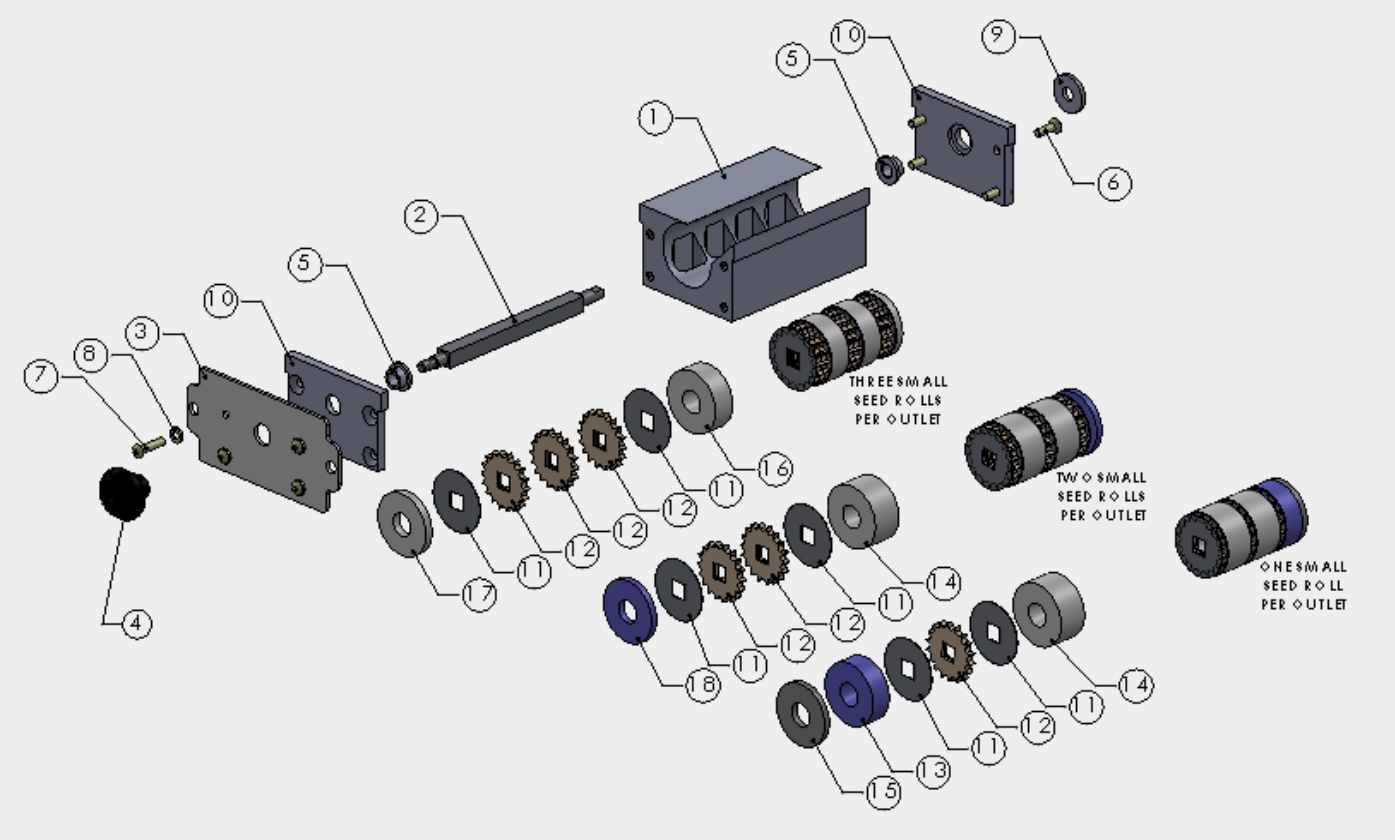
ITEM No	PART No	DESCRIPTION	QTY
1	47RME5026	ROTOR JET HIGH OUTPUT 59.0mm DIAMETER FEED BLOCK KIT	1
2	89APP1011	JETPRESS CAN 015 SQUARE HEADED SCREW GROMMET	10
3	89APP1015	No. 8 HALF INCH POZI SELF TAPPING PAN HEAD SCREW ST-ST	6
4	97APC4025	HOPPER WELD ASSEMBLY	1
5	97APC4027	AIR CHAMBER DOOR WELD ASSEMBLY	1
6	97APC4034	DUNKER MOTOR GUARD WELD ASSEMBLY	1
7	97APC4038	DUNKER MOTOR BRACKET WELD ASSEMBLY	1
8	97APC4047	BACK PLATE REAR COVER	1
9	97APC4084	4 OUTLET AIR BOX WELD ASSEMBLY	1
10	97APC4088	10.0 WIDE x 3.0 THICK SELF ADHESIVE FOAM STRIP (BLACK)	2
11	97APC4240	CHASSIS WELD ASSEMBLY	1
12	97APC5178	HOPPER DOUBLER PLATE CASSETTE SIDE WELD ASSEMBLY	2
13	97APC5180	HOPPER DOUBLER PLATE FAN SIDE WELD ASSEMBLY	2
14	98APP1025	STOCKS Ag DECAL	1
15	98APP1025	STOCKS Ag DECAL	1
16	98APP1025	STOCKS Ag DECAL	2
17	98APP1051	ROTOR JET SERIAL No. UKCA CE	1
18	98APP1052	ROTOR JET DECAL - RED	2
19	FJ032B	M8 X 15 PLASTIC KNOB - BLACK	2
20	FJ033A	M8 FEMALE PLASTIC KNOB - BLACK	2
21	FJ418A	SPLIT RING	1
22	GR005	GROMMET	3
23	M4-003	M4 x 10 HEX HEAD SET SCREW ST/ST	4
24	M4-004A	M4 NYLOC NUT T TYPE BZP	4
25	M4-006	M4 FLAT WASHER FORM A ST/ST	8
26	M4-011	M4 x 25 HEX SOC CAP HEAD SET SCREW ST/ST	4
27	M5-002	M5 x 12 SOC CAP HEAD SET SCREW ST/ST	4
28	M5-004	M5 x 12 HEX HEAD SET SCREW ST/ST	6
29	M5-014	M5 FLAT WASHER FORM A ST/ST	10
30	M5-015	M5 REPAIR WASHER BZP	1
31	M5-019	M5 SPRING WASHER ST/ST	8
32	M8-010	M8 FLAT WASHER FORM A BZP	20
33	M8-019	M8 NYLOC NUT T TYPE BZP	20
34	M10-002	M10 x 20 HEX HEAD SET SCREW BZP	4
35	M10-016	M10 FLAT WASHER FORM A BZP	4
36	MD019	STOCKS QUALITY TICK DECAL	1
37	MD021	ROTATION ARROW DECAL	1
38	MD024	"MADE IN BRITAIN` DECAL	1
39	MD051	WARNING DECAL	1
40	MD051	WARNING DECAL	1
41	MD051	WARNING DECAL	1
42	MD051	WARNING DECAL	1
43	MD052	KEEP CLEAR DECAL	1
44	MM008A	M6 x 6 CUP POINT HEX SOCKET GRUB SCREW ST/ST	1
45	MM019	LOOP LINK CHAIN	1
46	STO1138	MOTOR ADAPTOR LEAD	1
47	TJ043A	MOTOR DRIVE COUPLING - SLOTTED	1
48	TJ044B	12 Vdc FEED MOTOR	1
49	TJ120	CENTRIFUGAL SINGLE FAN UNIT	1
50	TJ122	2 WAY MALE CONNECTOR	1
51	TJ126	240L SQUARE HOPPER	1
52	TJ128	LID	1
53	TJ129	NECK RING	1
54	TJ251A	HOPPER LEVEL SENSOR	1
55	TJ467-1	WHITE `P` SEAL STRIP	2
56	TJ467-1	WHITE `P` SEAL STRIP	2
57	TJ467-1	WHITE `P` SEAL STRIP	4
58	TJ1285	No.10 x 1 INCH HEX HEAD SELF TAPPING SCREW ST/ST	1

26.0 Granular Feed Roller - Parts



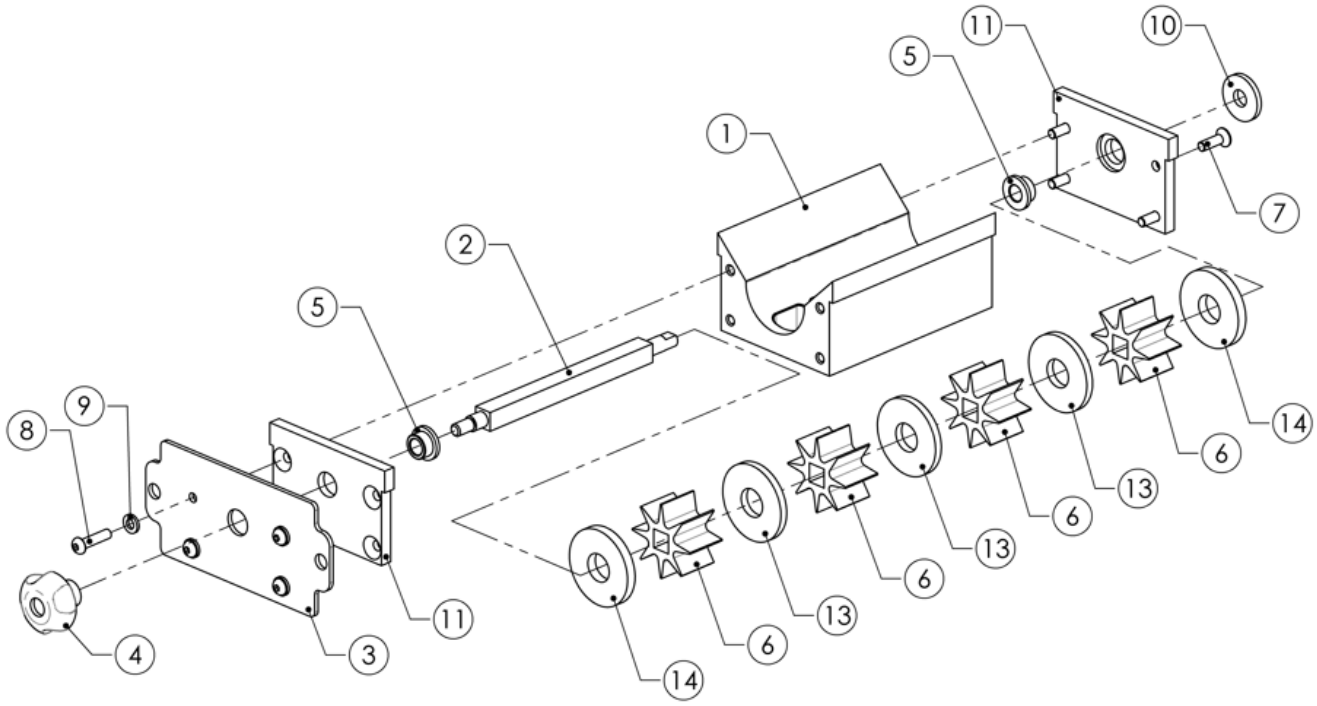
ITEM NO	PART NUMBER	DESCRIPTION	QTY
1	97APC4132	ROTOR JET PRECISION 4 OUTLET 50.8mm DIAMETER FEED BLOCK	1
2	97APC4133	SQUARE SHAFT	1
3	97APC4134	CASSETTE MOUNTING PLATE	1
4	FJ033A	M8 FEMALE PLASTIC KNOB - BLACK	1
5	GA103	FLANGED PVC BUSH	2
6	GA110	20 SECTION SMALL SEED ROLLER 28mm WIDE	2
7	M6-007	M6 x 20 CSK SOCKET HEAD SET SCREW ST/ST	4
8	M6-008	M6 x 25 HEX SOCKET BUTTON HEAD SET SCREW ST/ST	4
9	M6-016	M6 FLAT WASHER FORM A ST/ST	4
10	TJ033	WASHER GASKET	1
11	TJ101A	FEED END BLOCK PLATE	2
12	TJ208	10mm WIDE BLANKING SPACER	3

27.0 Precision (small seed) Feed Roller – Parts



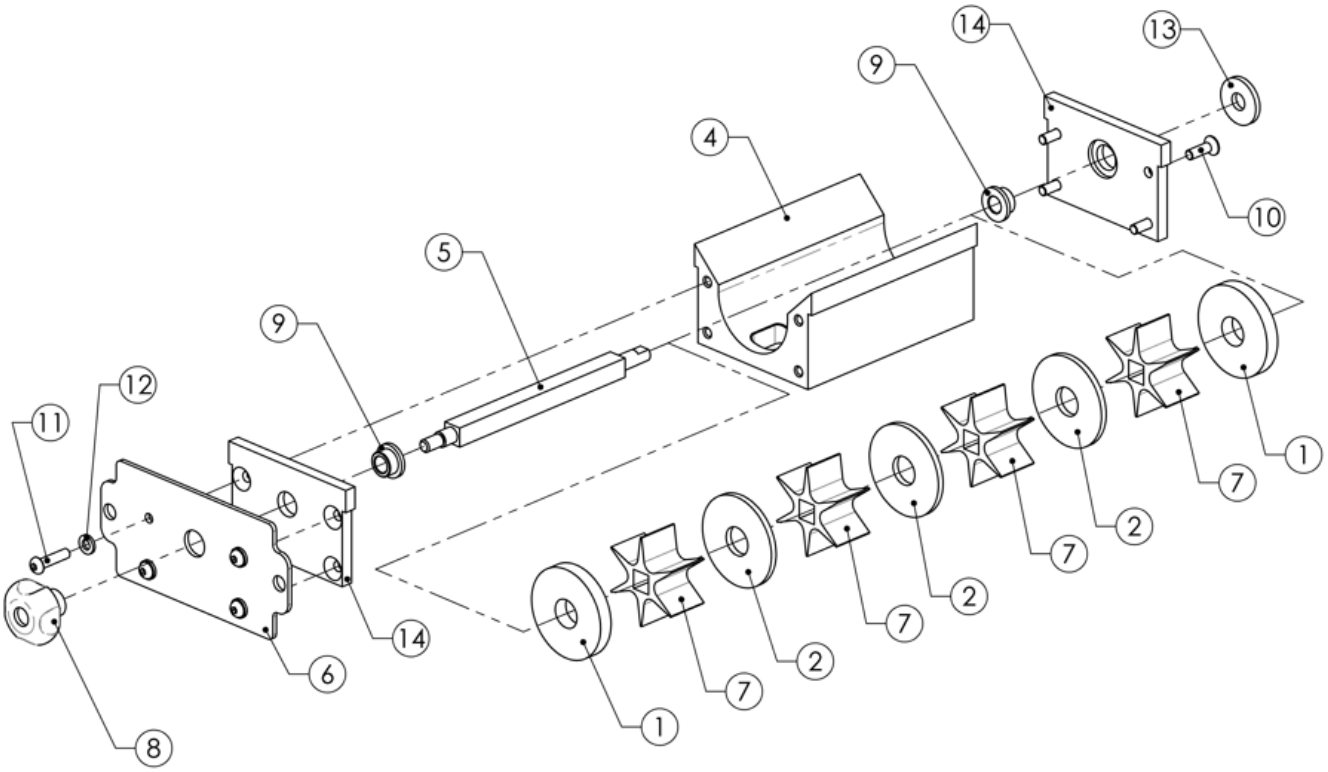
ITEM NO	PART NUMBER	DESCRIPTION	QTY
1	97APC4132	ROTOR JET PRECISION 4 OUTLET 50.8mm DIAMETER FEED BLOCK	1
2	97APC4133	SQUARE SHAFT	1
3	97APC4134	CASSETTE MOUNTING PLATE	1
4	FJ033A	M8 FEMALE PLASTIC KNOB - BLACK	1
5	GA103	FLANGED PVC BUSH	2
6	M6-007	M6 x 20 CSK SOCKET HEAD SET SCREW ST/ST	4
7	M6-008	M6 x 25 HEX SOCKET BUTTON HEAD SET SCREW ST/ST	4
8	M6-016	M6 FLAT WASHER FORM A ST/ST	4
9	TJ033	WASHER GASKET	1
10	TJ101A	FEED END BLOCK PLATE	2

28.0 Large Seed Feed Roller – Parts



ITEM NO	PART NO	DESCRIPTION	QTY
1	97APC4130	FEED BLOCK 4 OUTLET 50.8mm DIAMETER	1
2	97APC4133	SQUARE SHAFT	1
3	97APC4134	CASSETTE MOUNTING PLATE	1
4	FJ033A	M8 FEMALE PLASTIC KNOB - BLACK	1
5	GA103	FLANGED PVC BUSH	2
6	GA110B-A	8 SECTION FEED ROLLER 28mm WIDE	4
7	M6-007	M6 x 20 CSK SOCKET HEAD SET SCREW ST/ST	4
8	M6-008	M6 x 25 HEX SOCKET BUTTON HEAD SET SCREW ST/ST	4
9	M6-016	M6 FLAT WASHER FORM A ST/ST	4
10	TJ033	WASHER GASKET	1
11	TJ101A	FEED END BLOCK PLATE	2
12	TJ204A	28.0 WIDE MID SPACER	1
13	TJ205	5mm WIDE BLANKING SPACER	3
14	TJ211	6.5mm WIDE BLANKING SPACER	2

29.0 High-Capacity Feed Block – Parts



ITEM NO	PART NO	DESCRIPTION	QTY
1	97APC4054	9.0 WIDE SPACER - 59.0 OD	2
2	97APC4055	4.0 WIDE SPACER - 59.0 OD	3
3	97APC4056	28.0 WIDE SPACER - 59.0 OD	1
4	97APC4131	FEED BLOCK 4 OUTLET 59.0mm DIAMETER	1
5	97APC4133	SQUARE SHAFT	1
6	97APC4134	CASSETTE MOUNTING PLATE	1
7	97APC5196	59mm DIAMETER- 6 VANE - 28.0 WIDE FEED ROLLER	4
8	FJ033A	M8 FEMALE PLASTIC KNOB - BLACK	1
9	GA103	FLANGED PVC BUSH	2
10	M6-007	M6 x 20 CSK SOCKET HEAD SET SCREW ST/ST	4
11	M6-008	M6 x 25 HEX SOCKET BUTTON HEAD SET SCREW ST/ST	4
12	M6-016	M6 FLAT WASHER FORM A ST/ST	4
13	TJ033	WASHER GASKET	1
14	TJ101A	FEED END BLOCK PLATE	2

StocksAG

NOTES