



REESE ENGINEERING LTD 41 KELVIN GROVE ROAD - PO BOX 5056 PALMERSTON NORTH, NEW ZEALAND PHONE: +64 6 357 9323 FAX: +64 6 354 3155 www.reeseagri.com

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Introduction

Dear Valued Owner,

Congratulations, you have just made an excellent investment.

Your new Aitchison drill has been designed and engineered to give years of dependable service. Every consideration has been taken to incorporate the latest technology, thus ensuring optimum seeding is achieved. Aitchison Drills provide the optimum agronomic environment, ensuring proper seedling germination, leading to superior crops and thus greater revenue earning potential.

It has often been said: õwhen all else fails-read the operators manualö and to ensure you get the best from your new Aitchison drill it is very important that you thoroughly read through the entire contents of the manual. Please also pay attention to the maintenance recommendations, understand the calibration system and consider the design features and their specific functionality.

Your local dealer carries an extensive range of genuine Aitchison spare parts and consumables that also have been engineered to provide long service and life. It is important that only genuine parts are used on your drill.

Thank you for making your investment in our expertise.

Yours Sincerely,

Ross Simpson

Director Reese Agri

THE OPERATION AND ADJUSTMENT OF THE REESE MACHINE REQUIRES A COMPLETE KNOWLEDGE OF THE CONTENTS OF THIS HANDBOOK. TO AVOID PERSONAL INJURY PLEASE ENSURE THAT ALL PERSONNEL ARE THOROUGHLY CONVERSANT WITH ALL DETAILS BEFORE COMMENCEMENT OF OPERATION OR MAINTENANCE.

WARRANTY

COMPLETE AND RETURN WARRANTY REGISTRATION TO ENSURE VALIDATION. IN THE USA RETURN TO: REESE EQUIPMENT INC, PO BOX 20188, LOUISVILLE, KY 40220-0188. IN AUSTRALIA AND NZ RETURN TO: REESE ENGINEERING LTD, PO BOX 5056, PALMERSTON NORTH, NEW ZEALAND

REESE warrants that the Machine delivered shall conform to the specifications set out in this Handbook.

REESE makes no warranty of saleability or fitness for a particular use, nor is there any other express or implied warranty.

Subject to such other conditions, warranties, and/or undertakings which may apply from time to time under any applicable law, REESE warrants with respect to each new AITCHISON Machine sold by its accredited agents, that for a period of twelve months from the dates of original retail sale, REESE will repair or replace free of charge any part found to be defective in factory materials or workmanship under normal use and operation within the United States of America, Canada, Australia and New Zealand provided that;

1. The Machine

- (a) has been properly assembled and adjusted
- (b) has been properly used and operated within the capacity and operating limitations specified by the manufacturer thereof, and
- (c) has been properly maintained and cared for.

2. This Warranty applies to direct purchase from an authorized AITCHISON dealer. If any defect or fault shall arise such purchaser must return the defective work or Machine to an authorized AITCHISON Dealer within ten working days of such defect or fault arising.

3. In the event of the purchaser attempting to repair or replace the work or product without prior written consent of an authorized AITCHISON Distributor this guarantee shall become void. REESE may replace or repair any damaged product or work at its discretion.

4. In respect of such Machine this warranty does not apply to:

- (d) misuses or carelessness in handling,
- (e) Noncompliance to REESE operating and maintenance instruction,
- (f) Unauthorized repairs or alterations,
- (g) Consequential damage resulting from misuse or initials faults,
- (h) Parts subjected to ware or damage as a result of normal operation i.e.
 - i. Sponge pads and discs
 - ii. Tines and boots
 - iii. Discs
 - iv. Tyres
 - v. Hydraulic components

5. Any disputes in relation to this contract or product shall be governed by New Zealand law and shall be determined in New Zealand court.

TO THE OWNER AND OPERATOR

Your Aitchison Drill was carefully designed and manufactured to give you years of dependable service. To keep it running efficiently, read and follow the instructions in this operator s manual. Any questions you may have that are not covered in this manual should be referred to your dealer:

Dealers Name:		
Address:		
	Private:	
Date of Purchase:		
Model:	Serial Number:	

The warranty card on your Grassfarmer Drill is included with this manual. Please ensure that the registration card is correctly filled in.

The owner must ensure the dealer, upon delivery of the machine, has completed the **WARRANTY REGISTRATION CARD**. This must be signed by the owner and returned to the factory promptly. <u>Failure to carry out this function could nullify warranty claim opportunities against the factory in the future</u>. Warranty claims will only be accepted for registered products.

When ordering spare parts, quote the model and serial number of the drill and use the Aitchison part number given in the parts section. Reference to the right hand and left hand is taken from behind in the direction of travel.

TECHNICAL SPECIFICATIONS

Model	4020C	4020CT	4120C	4120CT
	2.925m	2.925m	2.925m	2.925m
Transport Width	9.59ft	9.59ft	9.59ft	9.59ft
	2.500m	2.500m	2.500m	2.500m
Sowing Width	8.20ft	8.20ft	8.20ft	8.20ft
	1.750m	1.750m	1.750m	1.750m
Height	5.7ft	5.7ft	5.7ft	5.7ft
	1220kg	1585kg	1350kg	1715kg
Weight Empty	2689lb	3494lb	2976lb	3780lb
	2.080m	4.375m	2.270m	4.375m
Length	6.8ft	14.3ft	7.4ft	14.3ft
	700lt	700lt	475lt	475lt
Seed Capacity	19.8bu	19.8bu	13.5bu	13.5bu
	N/A	N/A	490lt	490lt
Fertiliser Capacity			13.3bu	13.9bu
Number of Coulters	20 Rows @	20 Rows @	20 Rows @	20 Rows @
& row spacings	125mm / 5ö	125mm / 5ö	125mm / 5ö	125mm / 5ö

Optional Accessories:

Bin level indictor;	A3083
Hydraulic Kit for Drawbar;	A3129

Operating equipment safely requires the full attention of the operator. Do not wear

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SAFETY FIRST

Keep all covers in place when using the drill. Stop the drill before making adjustments. Lower the drill to the ground or put on props when working around the machine. Tighten all nuts and bolts after initial use.

FOLLOW SAFETY INSTRUCTIONS

Carefully read all safety messages in this manual and on your machine safety signs. Replace missing or damaged safety signs, these can be ordered from your local Aitchison dealer.

Learn how to operate the machine and how to use controls properly. Do not let anyone operate it without instruction.

Keep your machine in proper working condition. Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.

If you do not understand any part of this manual and need assistance, contact your Aitchisonøs dealer.

OPERATE YOUR MACHINE SAFELY

Be careful when operating machine to avoid injury.

Serious injury or death can result from contact with electric lines. Use care when moving or operating the machine near electric lines to avoid contact.

Be careful when operating on hillsides, tractor can tip sideways if it strikes a hole. ditch or other irregularity.

Permit only one person, the operator, on tractor platform while tractor and planter are in operation. Keep riders off. They are subject to injury such as being struck by foreign object and being thrown off the machine. They also obstruct the operators view.

WEAR PROTECTIVE GEAR

Wear close fitting clothes and safety equipment appropriate to the job.

Wear suitable hearing protective device as prolonged exposure to loud noise can cause impairment or loss of hearing.

Wear safety gloves when working with discs as they can have sharp edges.

radio headphones while operating machine.







BE SAFE WITH CHEMICALS

Direct exposure to agricultural and hazardous chemicals can cause serious injury. Potentially hazardous chemicals used with Aitchison equipment include such items as lubricants, coolants, fertilizer, paint and adhesives. If in doubt, contact your local Aitchison dealer for information about chemical safety and first aid procedures.



Keep a fire extinguisher and first aid kit handy

When disposing of chemicals, make sure hoppers are properly washed to get rid of any chemical residue and that any chemicals are disposed of in an approved manner. Follow instructions of chemical manufacturers for disposal methods.

USE SAFETY LIGHT AND DEVICES

Slow moving tractors and equipment can create a hazard when driven on public roads. They are difficult to see, especially at night. This could lead to personal injury or death if a collision with a vehicle occurs.



Whenever driving on public roads, use flashing warning lights. Provide extra lighting at night on machine and tractor. An implement safety lighting kit is available from Aitchison Industries.

TRANSPORT SAFELY

Do not exceed transport speed for machine; see your local Aitchison dealer. Never transport at any speed which does not permit adequate control of steering and stopping.

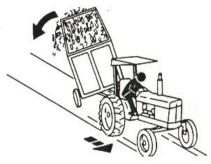
Reduce speed over rough ground

For safe transport, tractor must weigh more than machine.

REDUCE SPEED WHEN TOWING LOADS

Braking to stop towed loads from transport speeds can cause the towed load to swerve and upset. Reduce speed if towed load weighs more than the tractor and is not equipped with brakes.

Use additional caution when towing loads under adverse surface conditions, when turning and on road marking lines.



PRACTICE SAFE MAINTENANCE

Understand service procedure before doing work. Keep area clean and dry.

Never lubricate, service or adjust machine while it is moving. Keep hands, feet and clothing from power driven parts. Disengage all power and operate controls to relieve pressure. Lower equipment to the ground. Allow machine to cool.

Securely support any machine elements that must be raised for service work.

Keep all parts in good condition and properly installed. Fix damage immediately. Replace worn or broken parts. Remove any build up of grease, oil, or debris.

Remove paint before welding or heating. Avoid potentially toxic fumes and dust when sanding, repainting or welding. Do all work outside in a well-ventilated area. Dispose of paint and solvent properly.



Avoid heating near pressurized fluid lines or other flammable materials. Pressurized lines can be accidentally cut when heat goes beyond the immediate flame, which could result in severe burns to yourself and bystanders.

Avoid high-pressure fluids. Escaping fluid under pressure can cause injury. Relieve pressure before disconnecting hydraulic or other lines.

DISPOSE OF WASTE PROPERLY

Improper disposing of waste can threaten the environment and ecology. Use leak-proof equipment when draining fluids. Do not use food or beverage containers that may mislead someone into drinking from them.



Do not pour waste onto the ground, down a drain, or into any water source. Use the manufacturers directions on the correct way to recycle or dispose of waste.

GENERAL OPERATION IN THE FIELD

When the drill is in work in the field, adjust the top link to make the frame level and the sway chains to give 75-100mm (3-4ö) lateral movement. The tractor hydraulics should be set to allow the drill to float over the terrain unimpeded by the movement of the tractor. Adjust the depth wheels evenly on both sides to give the required opener penetration. In extremely hard conditions it is permissible to weigh the front of the drill to aid penetration.

The drill should always be moving forward when lowered or raised from work. Avoid stopping and never reverse with drill in work. These precautions will avoid blocking outlets; however make periodic checks for blockages while drilling.

The speed of travel is governed by the conditions e.g. if the ground is rough the drill may tend to bounce which would necessitate a lower speed. In optimum conditions 8 km/h (5 mph) may be maintained.

Always lift the drill out of the ground before turning sharp corners as this will protect the tines and openers and stop the turf from ripping.

Under no circumstances should the tractor wheels be allowed to slip excessively as this will break the turf and the following tines will tear up the ground. If slippage is a problem, use a tractor with more traction or wait for the ground to be in better condition. Towing chains or bar harrows behind the drill is very beneficial as this will crumble the groove and help to cover the seed.

PASTURELAND FARMING WITH SEEDMATIC

Continuous reaping of grasses either by machine or animal will eventually lead to their degeneration. Desired species of grasses and legumes will weaken and their ability to survive adverse climatic conditions will be diminished. Undesirable species of grasses and weeds will eventually tend to dominate, or pasture may simply thin out with minimal plant populations. Of course conditions that cause pasture degenerations vary from location to location, and from country to country, but one can assume that every pasture can be improved no matter where its location.

MANAGEMENT CONSIDERATIONS

In describing the technique for sowing seeds into uncultivated soils, we should clarify the terminology. It is most common to refer to CONSERVATION TILLAGE (or CT) but it may be called SOD-SEEDING in Australia, or DIRECT DRILLING in UK or even NO-TILL SEEDING in North America. Wherever it is practical, successful conservation tillage requires well considered, and thorough preparation, integrated with a whole farm management program.

The cropping rotation, optimum sowing dates and grazing fertilization program will depend on the seasonal vegetation or weed spectrum, paddock history, soil type, fertility and drainage, and many other factors.

Here is a checklist that should be followed for any CT program (courtesy of Monsanto NZ Ltd):

- 1. Check that the soil pH is around 6.0.
- 2. Check soil fertility levels for fertiliser requirement.
- 3. Ensure your spray boom has a marking system and is fully operational.
- 4. Establish optimum time for planting.
- 5. Check and control weeds present, before and during crop establishment.
- 6. Check and control insect and slug infestation before and during plant establishment.
- 7. Ensure soil conditions are suitable for drilling.
- 8. Inspect the crop regularly after planting.

Experience has shown that farmers new to CT often have crop failures on the first occasion, but as their skills and understanding of the technique improve, so do their crop results.

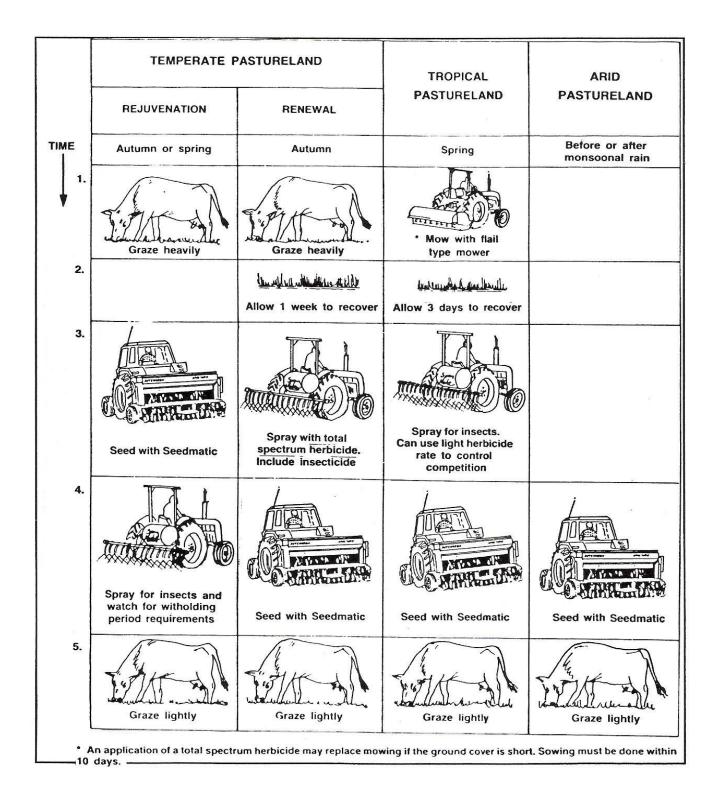
TECHNIQUES AND TIMING FOR PASTURE RENOVATION

There are two basic techniques for pasture renovation, i.e. rejuvenation and renewal. Rejuvenation is the most efficient technique and involves sowing the seeds of new and virile pasture grasses and legumes direct into existing pasture and have them gradually take over the old strain, without causing loss of production due to cultivation. This technique is known as *stitching inø* Renewal involves a total herbage control system, i.e. spray off old pasture with a wide spectrum herbicide before drilling.

Local knowledge is invaluable when determining which techniques to use and when to use them. The best time for pasture renovation will vary by region, and is largely governed by the temperature and weather that follow. In temperate climates with mild winters the autumn is best and tropical climates the spring is the best time when the tropical grasses have not recovered from their winter dormancy. In arid climates the time is directly before or after summer rains.

The basic requirement for seed germination is a warm moist seed bed. The aim should be to sow the seed at a time when there is sufficient moisture for quick germination, and little likelihood for later drought. The Aitchison opener/coulter however will promote germination in much drier soils than any other known coulter when used correctly.

SIMPLE RULES TO FOLLOW FOR SUCCESSFUL PASTURE RENOVATION



MICRO INSECTICIDE GRANULES IN PASTURES

In New Zealand where grass grub is a problem, excellent control has been attained with the use of Gesapon, Dasanit, Dysiston, Mocap, and Lindane in control of this pasture destroyer. Normal rates applied on the pasture surface can be as high as 30 kg/ha (26 lb/acre) but when sown in the soil and hence away from neutralizing effect sunlight, rates as low as four and five kg/ha can be used. If unexposed to sunlight these chemicals can remain effective in the soil as long as three months, thus killing generations of pupae as they emerge. Also, withholding of livestock after treatment is not necessary. Both these factors are important features with the Seedmatic.

Watch for slugs. Slugs like the moist groove produced by the wing blade opener. If slugs become a problem (eating seeds or seedlings underground), a suitable pellet should be used.

DIRECT SEEDING OF FEED CROPS AND ARABLE CROPS WITH GRASSFARMER

We are not in a position to give total formal recommended seeding rates, chemical usage and fertiliser recommendations because of circumstance that the Seedmatic will be used in will be so varied and diverse that some misunderstanding can occur.

Refer to the checklist and ALWAYS confirm with known successful CT operators as well as your local seed specialist and chemical company representatives. Remember that with this technique the environment is not as predictable as with cultivated soils, and take the precaution of using insecticide or increased fertiliser if there should be any element of doubt.

Seeding programs are wide and varied and it is best to look at rotation that starts with a legume or feed crop followed by a grain crop, followed by another feed crop and so on. Heavy pasture into grain is always disappointing, but grain after legume or brassica is outstanding.

Here are just a few possibilities:

Brassicas, Turnips, Swedes, Legumes ó Can be sown early spring (for winter feed) or again in autumn for later winter early spring feed. The technique is to blanket spray the entire area and ensure that seeding depths are shallow. A light bar harrow pulled over the seeding areas is beneficial. Use fertiliser and see your chemical company specialist with regard to the correct insecticide to use.

Winter Feed Oats ó This can be seeded direct into pasture in early autumn. Herbage control can be carried out also if necessary.

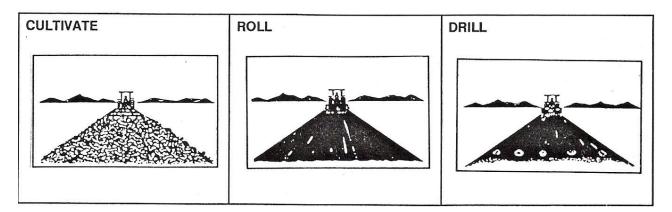
Wheat and Barley ó Direct seeding in early spring or autumn depending on variety. Always spray out pasture with approved herbicide (may not be necessary after brassica). Always sow with fertiliser.

Lucerne, Alfalfa ó Sow in early spring after spraying out entire area with Roundup or similar herbicide. It is always a good idea to do a soil test to ensure that the solid pH is satisfactory for plant establishment. Also it is necessary to ensure that the seeds are treated with inoculants to guarantee their germination and nodulation. Apply fertiliser and ensure that spraying and baiting for insects is carried out ó particularly for control of slugs and spring snails.

Green-feed Maize ó Carry out in early spring and the same rules apply as with wheat, barley and oats. You may wish to seed in 30 or 45 cm (12ö or 18ö) rows and the technique for achieving that is shown under the section **SPECIAL PURPOSE SEEDING** shown later in this booklet.

SOWING IN CULTIVATED SOILS

As this is a tined implement with a direct drill type opener, it is important to treat all seed beds as you would a pasture. With a conventional drill one works up the soil into a fine seedbed so that a broad boot type coulter will pass through leaving the seed behind the soil tilth. With the Seedmatic, cultivate the soil to destroy existing vegetation but before seeding, roll the seedbed thoroughly and then drill the seeds required into this rolled seedbed. Good germination results will occur.

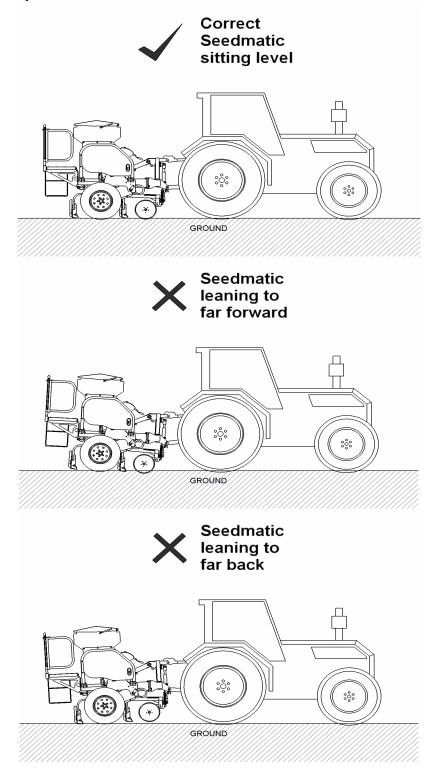


We recommend that a chain harrow be towed behind the seed drill or roll the field after seeding has been completed.

SETTING UP THE SEEDMATIC FOR USE

Connecting drill to tractor; 3 Point Linkage Models.

Connect the Seedmatic drill to the rear 3-point linkage of you tractor. Adjust the tractors top link arm so the drill frame is sitting parallel with the ground. Adjust the tractors sway chains to give 75-100mm lateral movement. The tractors hydraulics should be set to allow the drill to float over the terrain unimpeded by the movement of the tractor.



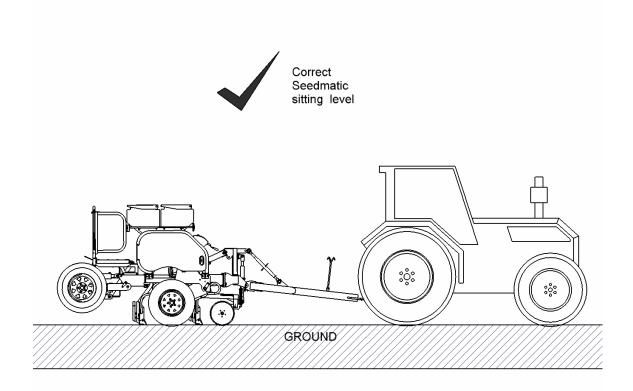
Connecting drill to tractor; Trailed Models.

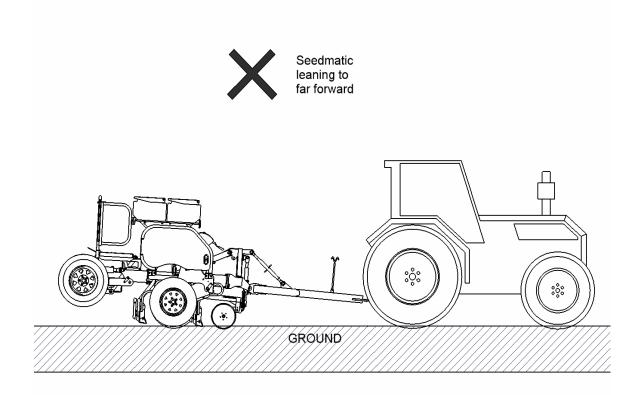
Connect the Seedmatic Drawbar to the tractors Towbar. Make sure you us a safety clip on the drawbar pin.

If you are to travel on public roads ensure you fit a **SAFETY CHAIN** between the Seedmatic Drawbar and the tractorøs Towbar.

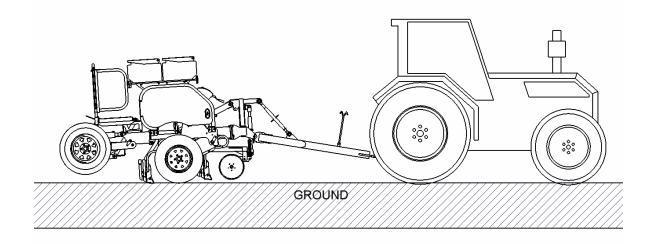
Connect the Seedmaticøs hydraulic hoses to one of the tractors hydraulic banks. This hydraulic system is used to rase and lower the rear transport wheels on the Seedmatic. When seeding the rear transport wheels can be fully rased clear of the ground.

Adjust the Drawbar top link to ensure that the Seedmatic drill frame is sitting parallel with the ground.





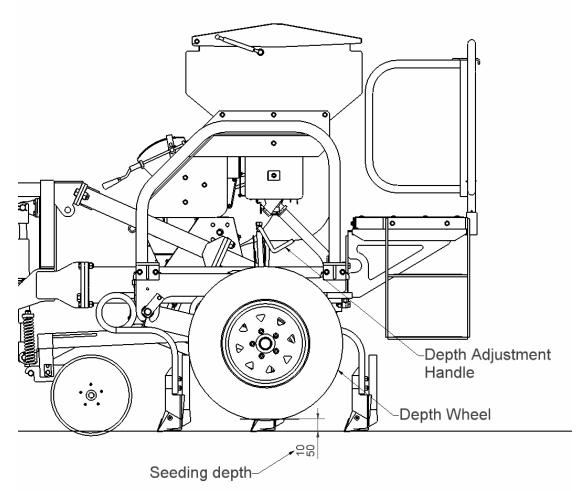




Set the depth wheels.

With the Seedmatic sitting on hard flat ground, the depth wheels should be 10-50mm clear of the ground, depending on your desired seeding depth. There is an adjustment handle at the top of each depth leg, use this to adjust the legs.

There is a depth gauge at the top of each depth leg, check that both depth legs are set at the same height



When the drill is in work, the best way to check your seeding depth is to have a scratch around in the seed slots behind the drill and check where the seeds are placed in the soil. Make the appropriate adjustments as needed.

At times we recommend that a chain harrow or roller is be towed behind the Seedmatic to help cover the seed slots. This will help prevent bird strike and can aid in seed germination.

DISC COULTER KITSET

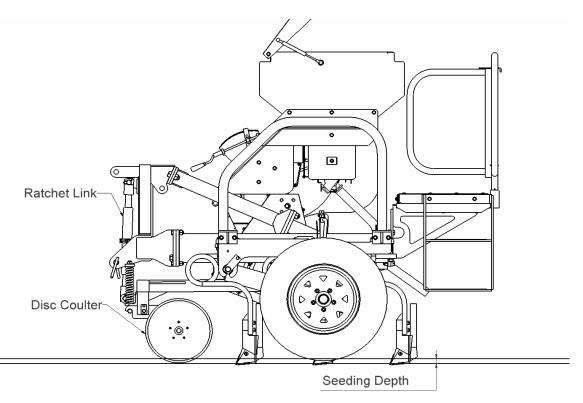
The Disc Coulters are designed to help cut trash/residue or stubble that may be present in the field. This trash/residue or stubble is cut into short lengths by the Disc Coulters, allowing the trash/residue or stubble to flow more efficiently past the Seed Openers resulting in fewer blockages. The Disc Coulters will also help prevent surface tearing in existing pastures when under sowing.

Setting up the Disc Coulter Kit

If your Seedmatic drill has a Disc Coulter Kit, it is important that this is adjusted correctly to get the best performance from your drill.

The Disc Coulters are usually set to the same depth as the Seed Openers or slightly shallower depending on ground conditions. To adjust the depth of the Disc Coulters turn the Ratchet Link attached between the disc coulter bar and the Headstock frame. In very hard ground conditions the Disc Coulters may hold-up the drill preventing the Seed Openers being at the correct depth, if this occurs reduce the depth of the Disc Coulters.

In very soft/damp ground the Disc Coulters may roll up a strip of turf, if this occurs reduce the depth of the Disc Coulters.

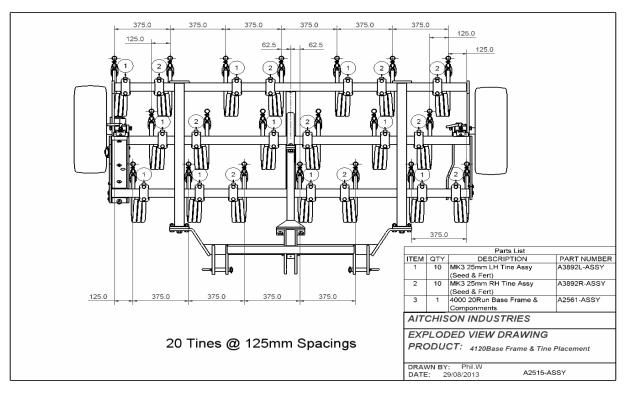


Tine Alignment

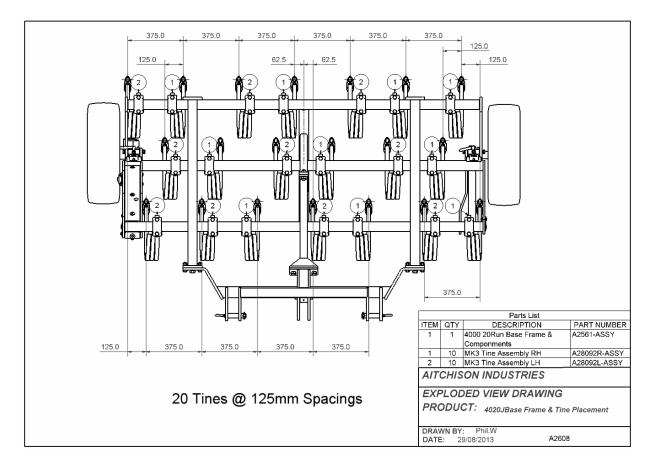
To get the best from your Disc Coulter kit check that the Seed Openers are tracking between the Disc Openers. Failure to do so could result in tearing of your pasture. To make these adjustments loosen the top Tine Clamp and slide the Tine along the mainframe tool bar until alignment is achieved.

TINE PLACEMENT

4120CT Tine Placement



4020J Tine Placement



CALIBRATING THE DRILL TO CHECK THE SOWING RATE

NOTE: When new, the Seed Pads may have a white powder (chalk dust) on them. This is to prevent them form sticking together during manufacturing. This chalk dust can impede your seeding rate until it has been removed or until it dissipates. This can be done by hand, or over time by using the seed drill. By Hand: This can be achieved by sliding the Seed Pad away from the housing and dusted off with the powder.

Dissipates: **Simply using the Seed Drill.** (The seeding rate will slowly increase as the chalk dust dissipates. (Usually within the first hour of use.) RE-CALIBRATE.

chalk dust dissipates. (Usually within the first h	nour of use.) RE-CALIBRATE.
(1) Prime:	(2) Seed Catchment:
Place seed in the hopper over any 5 adjoining outlets. Rotate the Crank Handle until a steady flow of seed can be witnessed falling from the seed outlets.	Place the Calibration Tray under the 5 appropriate Seed metering Units to catch the metered seed.
Set the Gearbox pointer in the appropriate position for you desired seed sowing rate. (See Seed Chart under hopper lid.)	Another method is to pull the black seed dropper hose off the 5 appropriate Coulter Tubes and place them in a bag or container.
(3) Seed Metering:	(4) Weigh Seed:
Crank Handle Storage	Catch and weigh the total amount metered through the 5 metering units. (in grams).
Crank Handle	NOTE: Remember ‰ARE+scales before weighing; for the weight of the bag or container.
Rotate Crank Handle Clockwise 29 times.	
(5) Conversion:	(6) Check:
Divide the weight measured by 3 to establish kilograms per hectare.	Gearbox Pointer
ie: 45 grams / 3 = 15kg/ha	Gearbox Pointer Adjuster
Eallow the above store to calibr	If above or below the desired rate, make the necessary adjustment via the Gearbox Pointer Adjuster. RECALIBRATE

Follow the above steps to calibrate the Fertiliser Hopper.

LAYMANS GUIDE TO SEEDING VARIANCE

The Aitchison Sponge Seed Delivery System is a highly accurate, consistent and gentle method for delivery of seeds. We are pleased you chose to make use of our technology. To get started, we have created the attached seed charts. They are guides that will in many cases allow you to start with reasonable accuracy.

Along with these charts you will also need to know how to compensate for variations in seeds. We are fortunate to have many companies that are constantly providing new varieties of seed; however, this also makes any seed chart a GUIDE ONLY. Use the rules listed below when suitable, and when you need more accuracy consider the following:

The seed count may be different; the coatings on the seed may be different; the humidity can be different; the seed size due to cultivars may be different; the moisture content of the seeds may be different; the seed may be husked or still have it beard; and other differences which could affect the seeding rate.

Example

Temperate charts were calibrated for Ryegrass. Line 1 on Range 1 was calibrated at an ambient temperature of $64^{\circ}F(18^{\circ}C)$. Moisture content of the seed was 14%. The 1000 seed count was 0.07 ounce (2 grams) and the seeds were approx ¹/₄ö long (6.6mm) by 1/16ö wide (1.5mm). There were no coatings or dressings and was cleaned of gin trash.

Note also that all seeds used on original chart were uncoated.

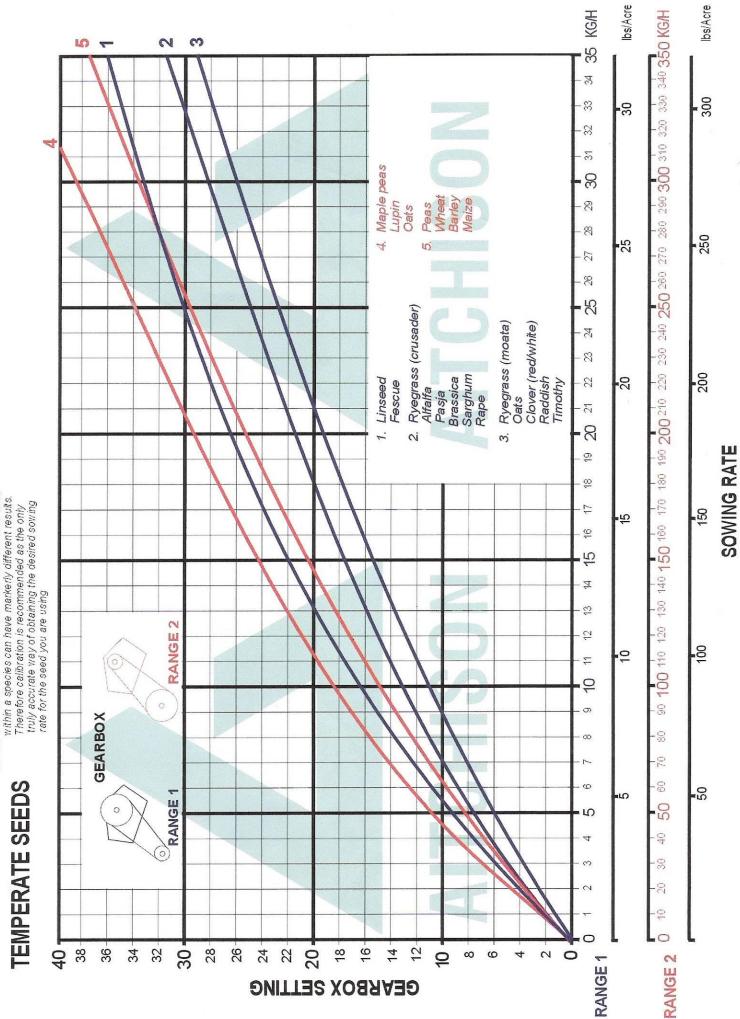
As it is unlikely your sample will directly match the above we suggest calibration at all times. Below are some general guidelines on what influences will affect you seeding.

SEED SIZE: Small seeds flow faster

SEED COATING: Fungicides that are dull and sticky will slow seeding rates.
TEMPERATURE: Cold will slow seeding rates, heat will increase seeding rates.
HUMIDITY: High humidity slows sowing rates, dry increase sowing rates.
SEED MIXTURE: Sowing small round seeds with flat long seeds, i.e. ryegrass and clover, the rate of the small seeds could increase significantly.
WHEEL DIAMETER: On cultivated soil slippage will reduce sowing rate.
RECORD PREVIOUS RESULTS: Keep a note book and record for future reference, mixtures, conditions and setting chosen.

Think in four quarters not the whole paddock. When the hopper runs out (1/4 paddock) check your rate back from the area covered.

REMEMBER: ALWAYS CALIBRATE BEFORE SEEDING!!!



NOTE: This chart is a GUIDE ONLY and different seed lines

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DIFFICULT SEEDS TO SOW

There are a number of seeds that are difficult to sow due to their physical shape and weight.

These include:

Prairie Grass Buffel Grass Callida Rhodes Grass Unclipped oats

If seeds adhere to the sponge pad, fit the oat wiper (Part # A2366). If there are problems with large seeds failing to pick up with the sponge it will be necessary to fit the bean spacers (Part # A2365-01) which space out the pads leaving a greater surface to pick up seed.

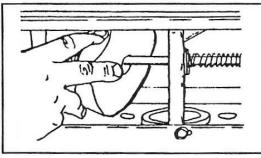
OAT WIPER AND BEAN SPACER

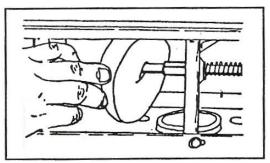
Bean Spacer (Optional)

When sowing large smooth seeds such as beans markedly improved seeding performance is achieved by fitting spacers between the sponge and the seeder casting. This in effect moves the sponge away from the seeder casting and allows for better entry of the seeds into the sponge. A better +pick upøis attained and seeding consistency is improved.

Also to decrease the advent of intermittency and improve seed spacing it is advisable to use the seeder agitator set on maximum spring pressure.

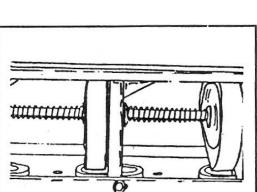
To fit the spacers follow these instructions:





- 1. Pull the sponge away from the seeder casting.
- 2. Fit the Bean Spacer between the sponge pad and the seeder unit.
- 3. Allow the sponge pad to return to the seeding position with approx 3mm (1/32ö) between the sponge pad and seeder unit.

WARNING: When the bean spacers are fitted always go back and recalibrate the drill.



If small seeds need to be sown (i.e. grass seed,

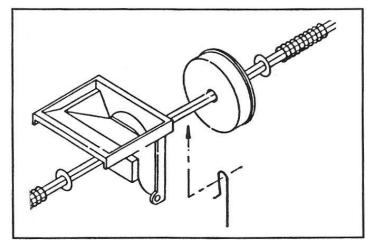
brassicas) or small grains (i.e. wheat) always remove the spacers and store in a safe place.

OAT WIPER (Optional)

The oat wiper is an optional extra that is designed to wipe clean the sponge pad if heavily awned seeds are not being sown. These will tend to collect on the pad and as the build-up increases inaccuracies in the seeding rates will occur.

To fit the wiper, remove the front panel from seed box. Pull the sponge pad away from the seeder assembly and place the wiper on the centre shaft BETWEEN the pad and the casting. The wiper works in such a way that it presents a flexible edge on the oats and in effect -wipesøthe seeds that may be sticking to the pads on each rotation.

Fit the Oat Wiper between the sponge pad and the seeder unit.



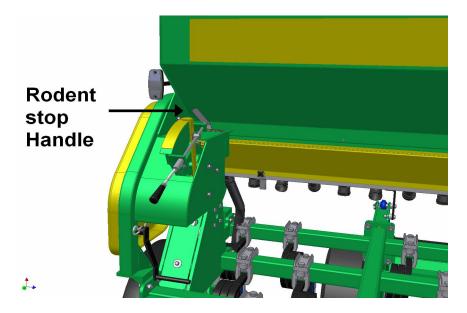
RODENT DANGER

The sponge seed mechanism is unique ó it has great capacity to sow seed consistently and accurately. However, if seeds are left in the hopper over the winter months rats and mice will find an entry point into the hopper by chewing through the sponge pad to reach the seeds. The simple solution therefore is to **remove the seeds**.

BLANKOFF TRAY

Your SEEDMATIC drill is equipped with a õ Blankoff Trayö. This blankoff tray is located under the seed hopper, between the seeder units and the seed dropper hose. The purpose of this blankoff tray is to help prevent rodent damage to the sponge pads. Located at the drive end (RH side of drill) is the sprung handle, this handle slides and locks the blankoff tray.

The blankoff tray should be open when planting seeds, then slid closed when the drill is not in use to prevent rodents from climbing up the seed dropper hoses.

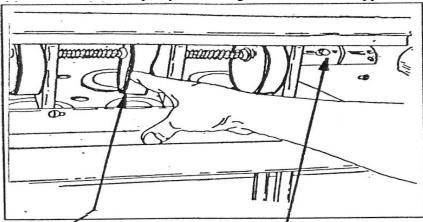


Move Handle towards the centre of drill to close off.

To give added protection, sponge pads can be treated with any strongly odoured insecticide powder ó DIASINIT, LINDANE, MALATHION, and THIMET. **Note**: Rodent repellent can also be ordered from Aitchison**\$** via your local dealer (Part # 9341).

REMOVAL OF SEED FROM HOPPER

There is probably no easier drill to clean than this Aitchison Drill. Remove the front/rear panel by way of wing nuts and manually move the sponge pads away from the seeder casting. Any remaining seeds within the hopper will simply fall out. A small brush can be used to sweep any remaining seeds from the hopper.



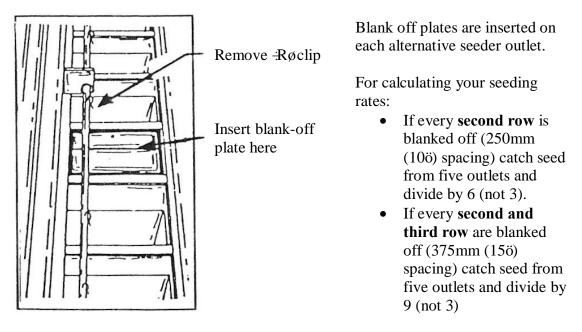
Push pads away to clean out seeds. To remove pads, loosen this setscrew and move shaft to the left.

SPECIAL PURPOSE SEEDING

If the quantity of seed is too small to accurately weigh then collect the seed from 8 outlets and halve the result before applying the general formulae.

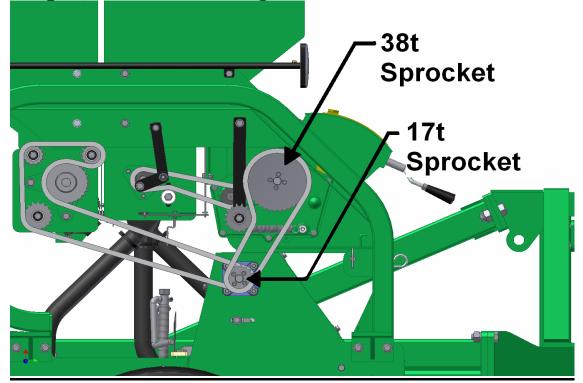
Using Blank Off Plates

If the blank off plates are used ó this drill is calculated for rates of 150mm (6ö) spacing. Blank off plates can be used if wider rows are required. These are fitted by removing the õRö clip agitator pin and fitting a plate (see illustration). These are simple to make using a square of stiff plastic or plywood.



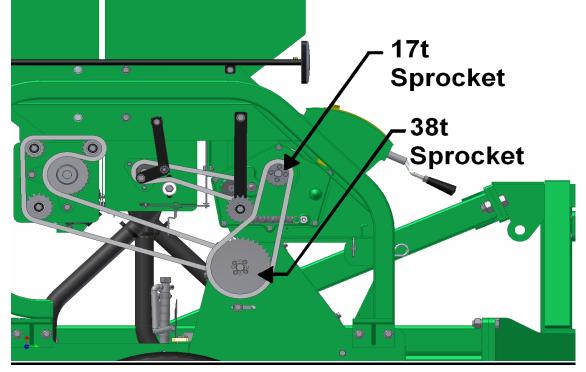
CHANGING THE GEARBOX RATIO: Range 1 – Range 2

To change range: use a 5mm Hex Key to remove the 4 Cap Screws in each sprocket; replace them end for end.



Range 1; Ratio for low seeding rates and small seeds.

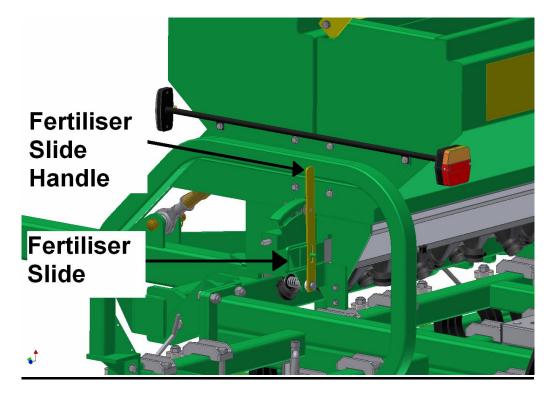
Range 2; Ratio for high seeding rates and big seeds.



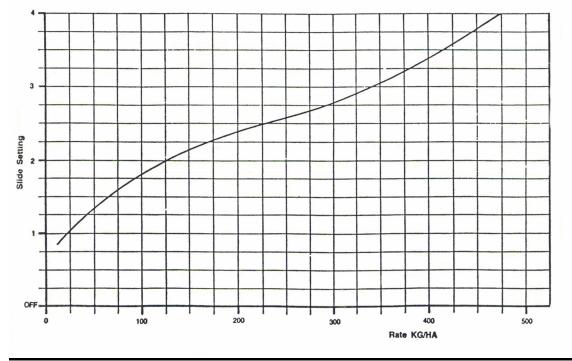
THE FERTILISER SYSTEM

Different types of fertiliser may vary slightly from the general rate of curve shown. The fertiliser rate is verified by using the same calibration procedure as used to calibrate the seed. (Page 20)

To change the fertiliser application rate, move the slide in for less or out for more.



FERTILISER APPLICATION CHART





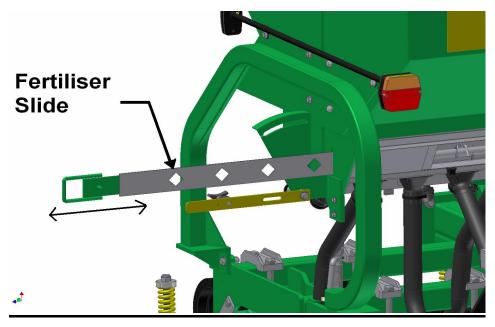
MAINTENANCE AND CLEANING THE FERTILISER HOPPER

The fertiliser hopper should be thoroughly cleaned after use and potential rust areas brushed down with diesel. The fertiliser slide may be easily removed without tools as shown below.

Remove the slide at the end of your planting season to ensure it cannot corrode in place,

To empty or clean the fertiliser hopper remove the Auger Baffle and the rear Inspection Panels and brush out any remaining fertiliser.

FERTILISER SLIDE REMOVAL

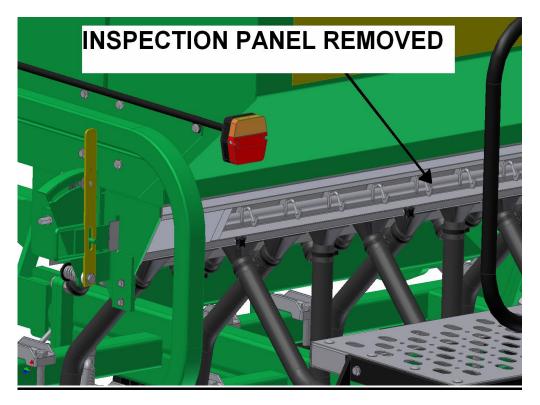


AUGER BAFFLE REMOVED

Looking down inside the fertiliser hopper.

AUGER BAFF	

REAR INSPECTION PANELS REMOVED



GENERAL MAINTENANCE

LUBRICATION

The gearbox should be kept filled up to the sight glass though top-ups should seldom be necessary. The oils recommended are: BP Vanellus DD50 (GL1 90.), TOTAL Carter (EP 220) or equivalent.

NOTE: <u>Do not</u> us a hypoid type of oil, as damage will occur.

Machines Grease Points:

- 1 per Disc Coulter Pod assembly.
- Drive Leg assembly.
- Depth Leg assembly
- Seed Shaft drive.
- Fertiliser Shaft drive.
- Rear Transport assembly.



Greasing location points are labelled on the drill with the õGreaseö sticker (shown above). Chains should be kept lubricated and should be removed at least once each season and thoroughly cleaned and oiled.

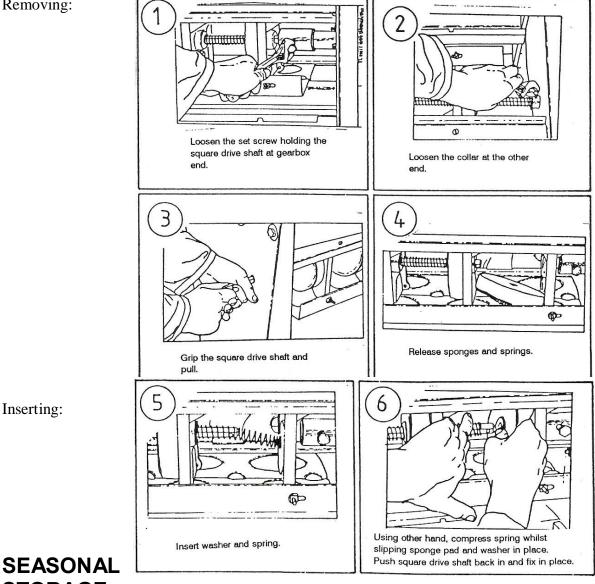
CARE OF THE SPONGE PADS

The sponge pads are easily accessible for maintenance and cleaning by removing the inspection panel at the bottom of the seed hopper. The seed hopper should be cleaned thoroughly after use as vermin show little respect for a sponge pad if there is seed behind it.

To empty the hopper of seed, push the pads away from the seeder units to let the seed fall through. Do not leave seed lodged between the pad and seeder unit, as this will distort the pad giving erratic sowing. The sponge pads are replaced as shown below.

REPLACEMENT OF SPONGE PADS

Removing:



STORAGE

The drill should be thoroughly cleaned and lubricated and stored out of the weather. Look for any unusual wear and remedy the cause. If this requires parts it is best to order them well in advance of the next sowing season. Check all nuts and bolts for tightness. Adjust the depth wheels so the weight of the drill is on the tines and not on the tyres.

TINE CLAMPS

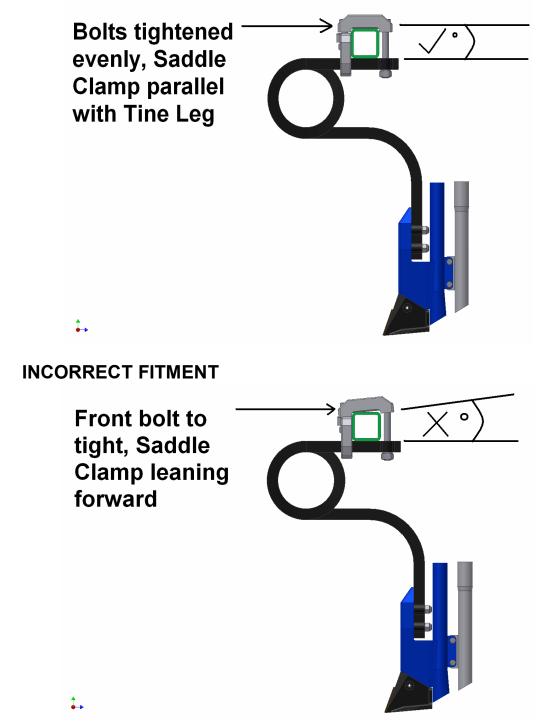
The 4000 Series Seedmatic is fitted with 65mm Saddle Clamps, these camps have been designed to stop the tines from õwalkingö along the tool bars.

Some care needs to be taken when fitting these new clamps.

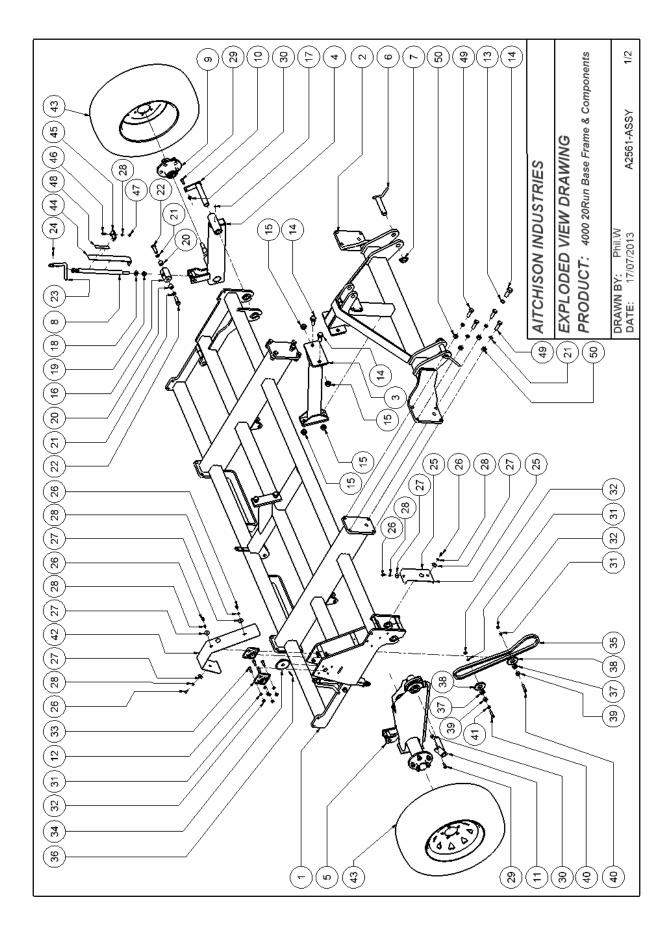
When fitting or adjusting ensure that the M16 bolts are tightened evenly so both the Saddle Clamp and the straight leg of the tine are parallel to each other.

The M16 bolts should be tightened to 200Nm (147ftlb) Maximum.

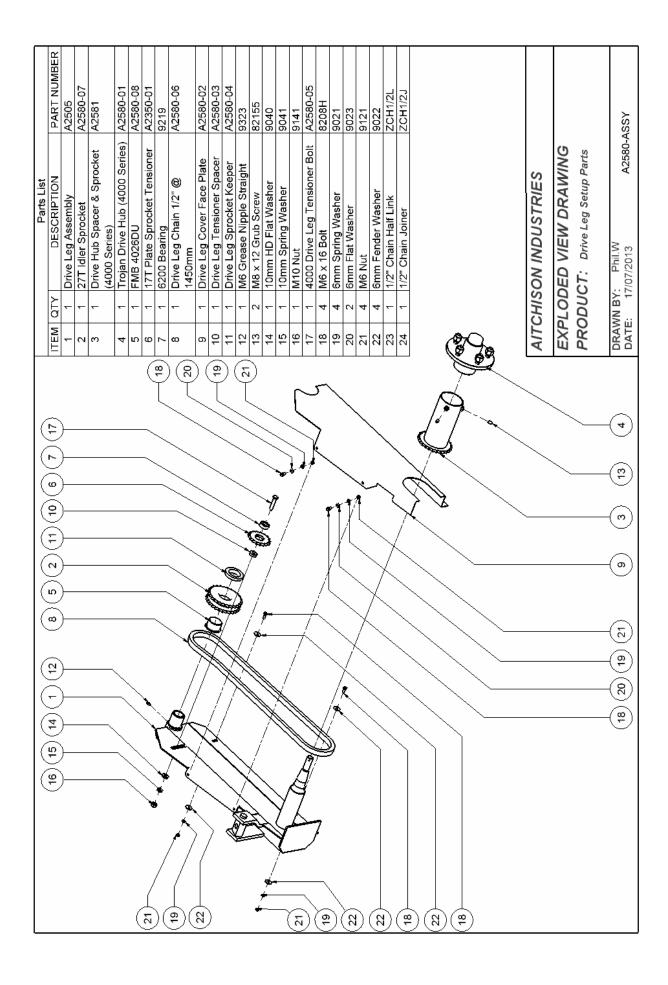
CORRECT FITMENT



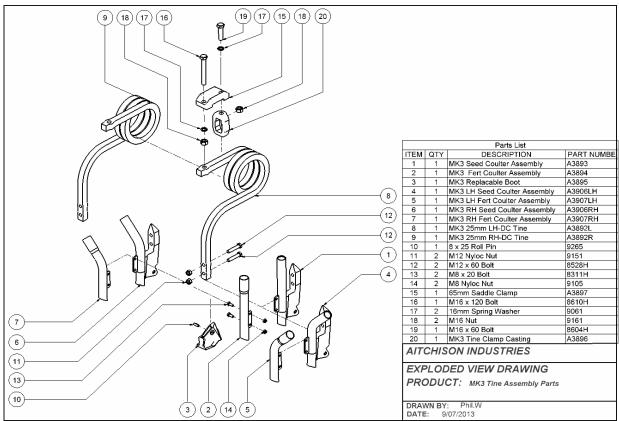
PARTS BREAKDOWN



		Parts List				Parts List	
ITEM	QTY	DESCRIPTION	PART NUMBER	ITEM	QTY	DESCRIPTION	PART NUMBER
-	-	2.5m Frame Assembly	A2563	28	7	8mm Spring Washer 90	9030
7	-	4000 Head Stock Assembly	A2502	29	2		8415H
m	-	Headstock Stay Assembly	A2503	30	2	M10 Nyloc Nut 91	9142
4	۲	Depth Leg Assembly	A2504	31	10	Vasher	9041
ъ	-	Drive Leg Setup	A2580-ASSY	32	10		9141
9	2	AIL Cat 2 Hitch Pin	A2327	33	œ	M10 x 35 Bolt 84	8402H
7	2	11mm Lynch Pin	9288	34	-	22T Sprocket 1/2" Pitch 20mm Bore A2	A2500-09
ω	2	Depth Control Rod Assembly	A2506	35	1	4000 Series DL to LS Chain A2	A2500-08
ი	-	Trojan 5 Stud Hub	TR 082030	36	-	6 x 50 Roll Pin 92	9262
10	-	4000 Depth Leg Pivot Pin	A2507	37	2	6200 Bearing 92	9219
11	-	4000 Drive Leg Pivot Pin	A2508	38	2	17T Plate Sprocket Tensioner	A2350-01
12	2	F204 Bearing & Housing	9221 / 92205	39	2	n Tensioner Spacer	A2500-04
13	2	20mm Spring Washer	9076	40	2	M10 × 50 Bolt 84	8403H
14	4	M20 × 50 Bolt	8711H	41	1	10mm HD Flat Washer	9040
15	4	M20 Nyloc Nut	9172	42	1	4000 Lay Shaft Cover A2000 Lay Shaft Cover	A2500-05
16	2	Threaded Top Trunion	A2309-01	43	2	215-75R 14C Wheel Assembly A2	A2500-10
17	3	M6 Grease Nipple Straight	9323	44	2	Depth Leg Depth Gauge	A2500-06
18	2	16mm ZP Washer	9063	45	2	Depth Gauge Retainer	A2500-07
19	2	M16 Nyloc Nut	16A	46	2		8305H
20	4	4000 Depth Leg Trunnion Keeper	A2500-01	47	7	M8 Nut 91	9106
21	12	16mm Spring Washer	9061	48	0	Decal - GF Depth Control	D1525
22	4	M16 x 50 Bolt	8616H	49	ø	M16 x 55 Bolt 86	8603H
23	2	4000 Depth Rod Handle	A2500-02	50	8	M16 Nut 91	9161
24	0	6 x 20 Roll Pin	9269	51	0	M20 x 55 Bolt 87	8718H
25	٦	4000 Leg Pivot Cover	A2500-03	52	1		ZCH1/2L
26	5	M8 × 20 Bolt	8311H	53	٦	1/2" Chain Joiner Link ZC	ZCH1/2J
27	ъ	8mm Fender Washer	9032				
			1 i		(6		
				¢	Ð		
)	AITCHISON INDUSTRIES	
	E					EXPLODED VIEW DRAWING	
	Ð					PRODUCT: 4000 20Run Base Frame & Components Parts	& Components
						DRAWN BY: Phil.W DATE: 17/07/2013 A2561-ASSY	SY 2/2

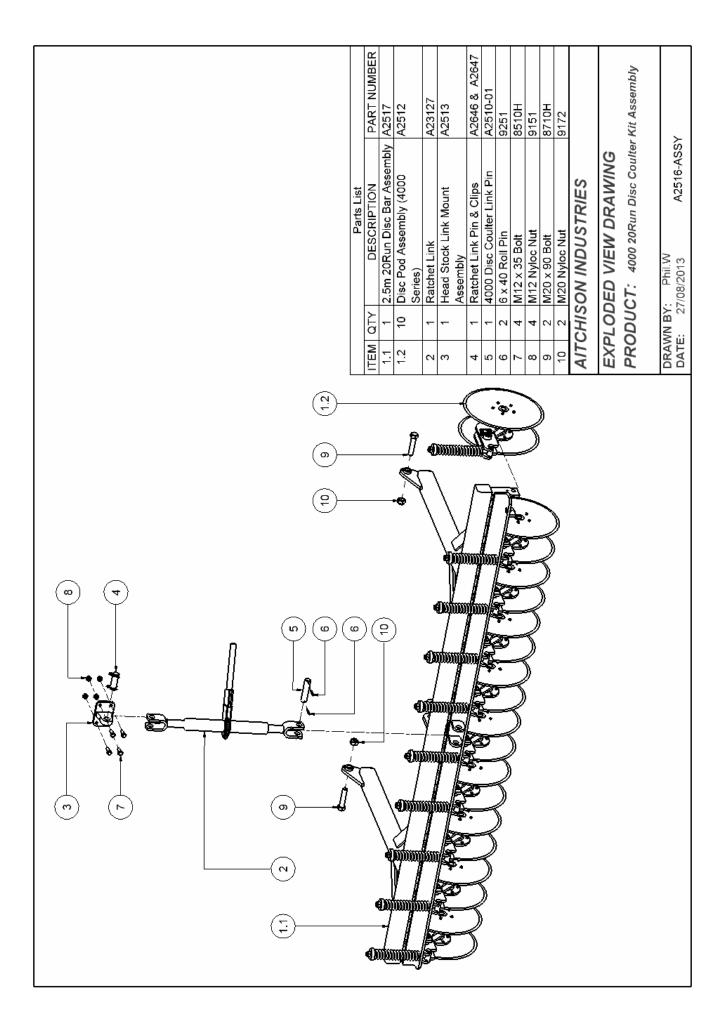


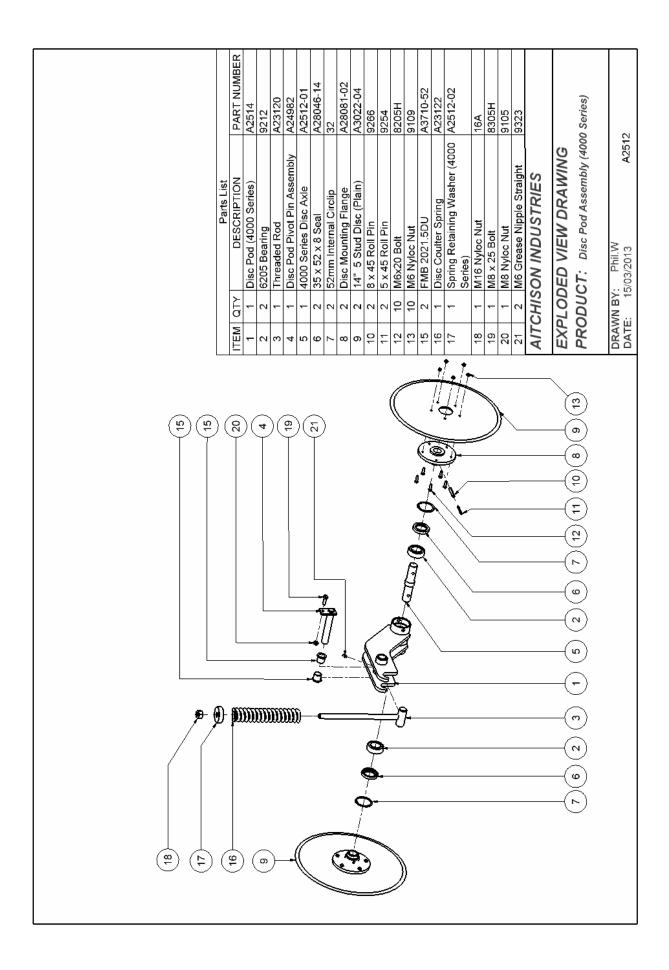
SEED & FERTILISER MODELS

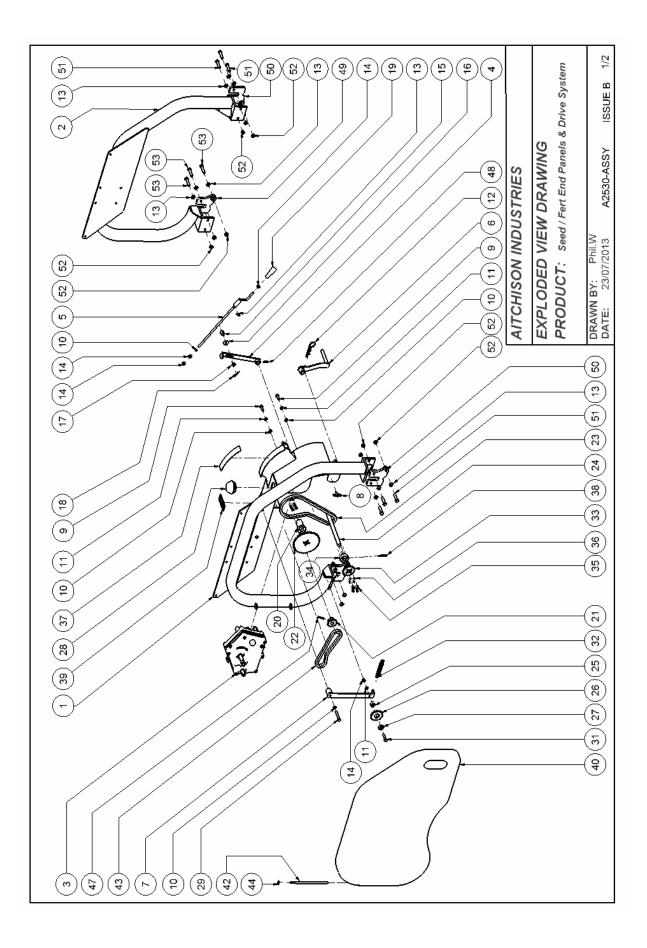


SEED ONLY MODELS

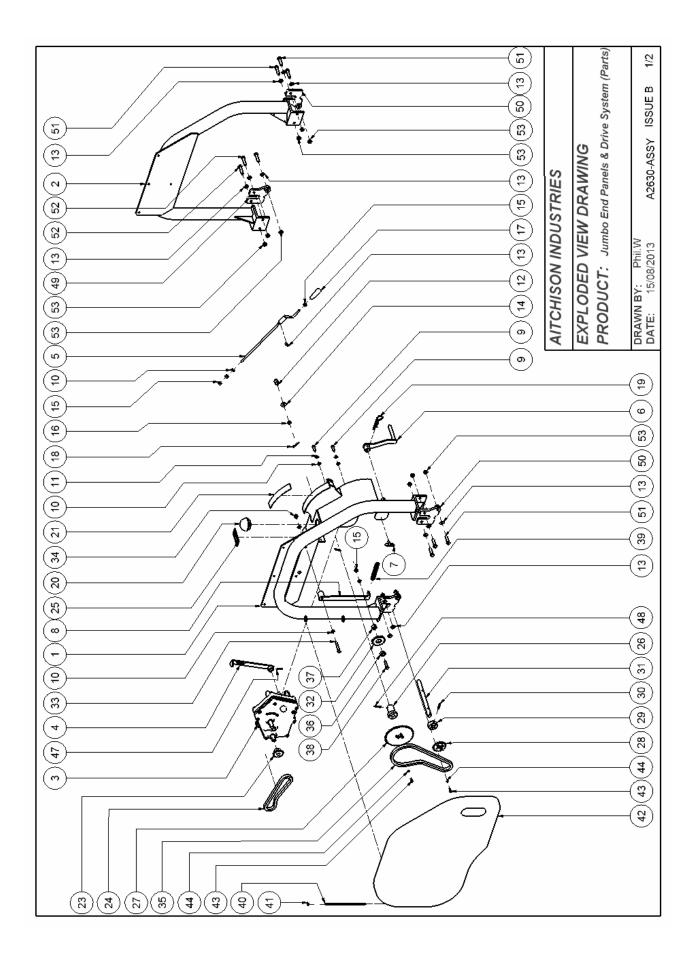
Parts List ITEM QTY DESCRIPTION PART NUMBER 1 MK3 Seed Only Coulter A28093 Assembly Assembly A3895 2 1 MK3 Replacable Boot A3895 3 1 MK3 Z5mm RH-DC Tine A3892L 4 1 MK3 Z5mm Clamp Casting A3896 5 1 MK3 Tine Clamp A3897
0 1 M16 x 120 Bolt 8610H 8 1 M16 x 60 Bolt 8610H 8 1 M16 x 60 Bolt 8624H 9 2 M12 x 60 Bolt 8528H 10 2 16mm Spring Washer 9061 11 2 M16 Nut 9161 12 2 M12 x 910c Nut 9151 13 1 8 x 25 Roll Pin 9265
EXPLODED VIEW DRAWING PRODUCT: MK3 Grassfarmer Tine Assembly Parts DRAWN BY: Phil.W MK3 Tine Assy LH: A28092L-ASSY DATE: MK3 Tine Assy RH: A28092R-ASSY



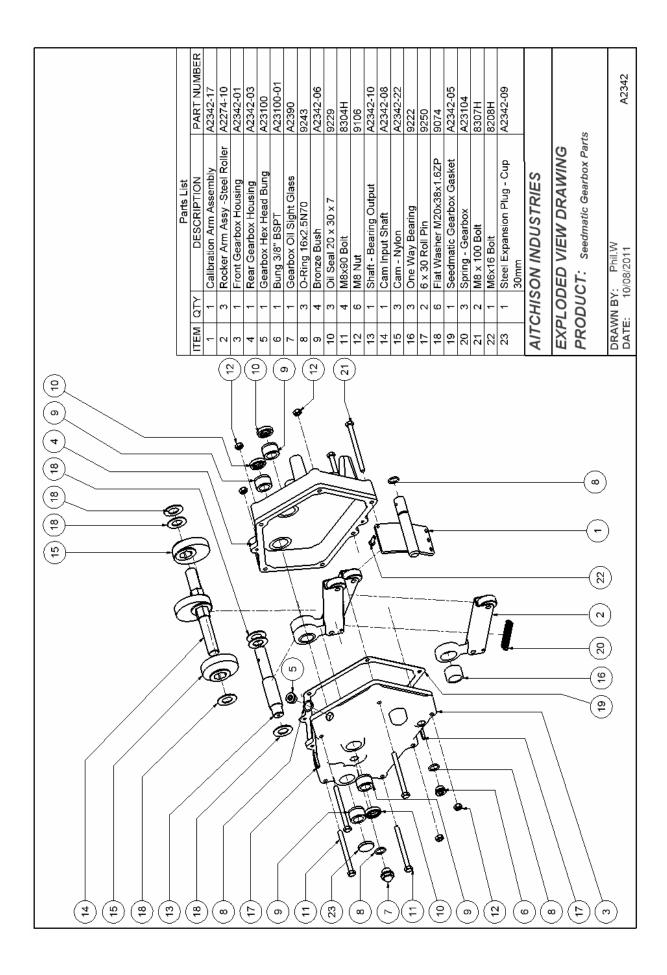


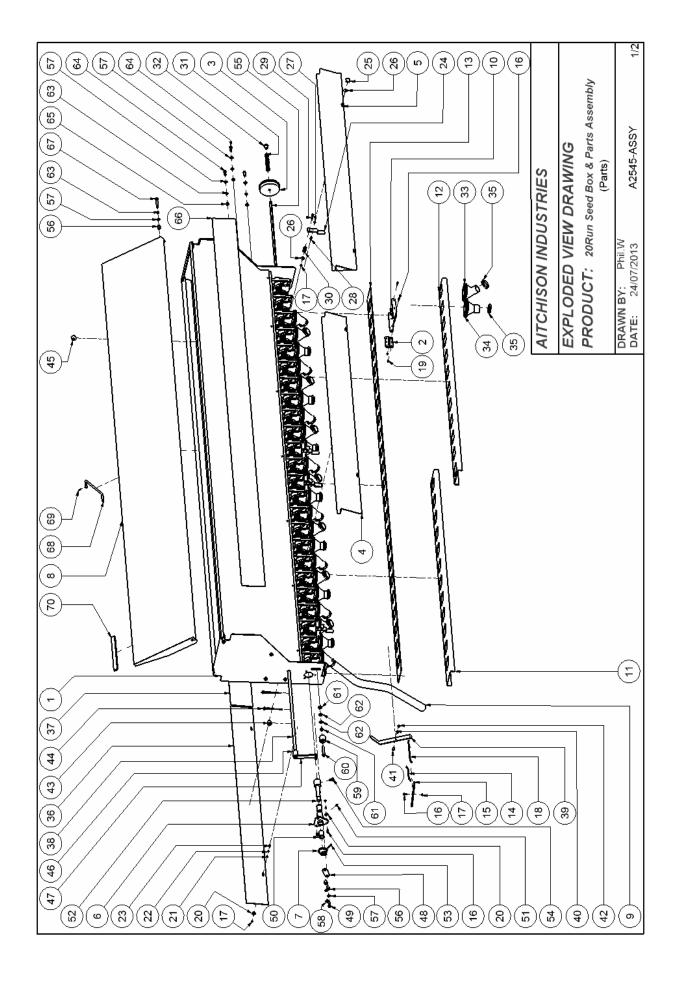


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1 Holio Socie 201 Mit Wyce (Mit Mither Assembly) 2032 201 Mit Wyce (Mither Assembly) 2032 201 Mit Wyce (Mither Assembly) 2032 201 Mit Wyce (Mither Assembly) 2033 11 Control Assembly 2033 11 Mit Wyce (Mither Assembly) 2033 201 2033 201 2033 201 2033 201 2033 201 2033 201 2033 201 2033 201 2033 201 201 2033 201	1	-	4000 Seed & Fert D-End Panel Assembly	A2531	28	-	65mm Plastic Cap	A3719-03
1 0Fferther (Control Calibration Pointer Assembly, Sector Calibratin Pointer Assembly, Sector Calibration Pointer Assem	2	-	4000 Seed & Fert Non-D-End Panel Assembly	A2532	29	~	M10 × 70 Bolt	8423H
1 Tearbox Samo Adjustor Lower Agempty ASYC-Ad Instruction 31 1 Note of Bing Bind Adjustor Lower Agempty Adjustor Lower Agempty Adj	m	-	GF/Roller Gearbox Assembly	A2342	ဓ	~	M10 Nyloc Nut	9142
1 Seed Algancy Series Accords	4	-	Gearbox Calibration Pointer Assembly	A3570-04	31	~	M10 x 45 Bolt	8404H
1 1 2000 Gas 33 1 111 feed sprovide flows 5000 <i>J</i> ² 223 131 111 feed sprovide flows 5000 <i>J</i> ² 223 133 131 111 feed sprovide flows 5000 <i>J</i> ² 233 133 131 111 feed sprovide flows 5000 <i>J</i> ² 233 133 131 131 1300 Gas 131 13	ß	-	Seed Adjustor Lever Assembly	A2333	32	-	Seed Agitator Spring	A2338
1 1 M0 million 2033 3 1 Spin of the sensity 2033-01 2 1 M0 million Ferener 0	ø	-	Seed Calibration Handle	A230-25	33	~	17T Plate Sprocket 1/2"	A2347
1 108. Anti-Luce Fasterer 1253-107 35 6 Mix 20 SSG 5ap 5eewir 02071 02072 02071 02072 02072 02071 02072 02071 02071 02071 02071 02071 02071 02071 02071 02071 02071 02071 02072 02071 02072 02071 02072 02071 02072 02071 02072 02071 02072 02071 02072 02071 02072 02071 02072 02071 02072 02071 02072 02071 02072 02071 02072 02071 02072 02071 02072 02071 02072	7	-	4000 Gear Box Tensioner Arm Assembly	A2533	34	-	Sprocket Boss 3000 ZP	A2343-01
3 MIX x 0 Bolt 9416H 36 6 Hom Syng Washer 9021 911 1 0	ω	-	M8 Anti-Luce Fastener	A2821-07	35	ω	M6 x 20 S/S Cap Screw	8207S
6 10 mm Frait Wather 9022 37 1 Centrol Cellart D000000 D000000 D000000 D000000 D00000 D000000 D0000000 D000000000000 D00000000000	თ	ო	M10 x 30 Bolt	8415H	36	œ	6mm Spring Washer	9021
1 5 Mm Cun 9041 38 1 b ex 90 R0 Fm 9021	10	G	10 mm Flat Washer	9042	37	~	Gearbox Calibration Decal	D3032
1 5mm R Clip 2889 39 1 Decal 4000 Rodent Stop 24001 20500 20001 20300 20001 20300 20001 20300 20001 20300 20001 20300 20001 20300 20001 20300 20001 20001 20300 20001 20300 20001 20300 20001 20300 20300 20001 20300 20001 20300 20001 203000 203000 200000 </td <td>1</td> <td>4</td> <td>10mm Spring Washer</td> <td>9041</td> <td>38</td> <td>~</td> <td>6 x 50 Roll Pin</td> <td>9262</td>	1	4	10mm Spring Washer	9041	38	~	6 x 50 Roll Pin	9262
13 Tam Flat Washer 9051 40 1 4000 Seed & Fert Drive Cover 2050 do 1 Norve Colar 2144 41 1 400 Nu 41 400 Nu 1 Norve Colar 2337 42 1 400 Nu 400 Nu 41 400 Nu 1 Norve Colar 2333 42 1 400 Nu 41 10 Nu 1 Norve Colar 2335 42 1 400 States Washer 9160 2 Norve Colar 2333 43 1 100 States Washer 9160 3 Norve Lip Norve Colar 2335 46 2 1/2 Cala Hall Link 2550 1 Norve Lip 1 100 States Washer 9250 946 1 2050 1 1 100 States State 2335 48 2 1/2 Cala Hall Link 2550 1 1 1 1 400 States Masher 2550 1 2550 1 1 1 200 States Masher 2350 1 2550 1 1 1 1 1 1<00 States Masher	12	-	5mm R Clip	9289	39	-	Decal 4000 Rodent Stop	D4001
4 MIO Mut 9141 41 Mon Mut 9106 1 Nivel Collat 2334 42 1 Mon Mut 2333-01 9105 1 MiO Fender Washer 9037 42 1 Mon Santow Washer 9035 82 1 Acconstruction 8330-07 8043 2333-01 9043 2333-01 2044 2333-01 2044 2333-01 2044 2333-01 2044 2333-01 2044 2050-01 2044 2050-01 2014 2050-01 20400-01 2050-01	13	13	12mm Flat Washer	9051	4	~	4000 Seed & Fert Drive Cover	A2530-04
1 1 Wowie Collar 2334 42 1 4000 End Fanel Hunge Fun 2330.05 1 1 0frm H0 Fanel 037 43 1 1000 End Fanel Hunge Fun 2330.05 1 1 1 0frm H0 Fanel 037 43 1 1000 End Fanel Hunge Fun 2330.07 1 1 1 1 1000 End 2332.01 12 12 12 1 1 1000 End 2333.01 43 1 2000 End 2011.1 1 1 1000 End 2333.01 43 1 2001 End 2011.1 1 1 1000 Seaf Box Chain 2333.01 43 1 2000 End Panel Fines Assembly LH 2330.01 1 1 175 Sinceket TS Pieth Bose 2010 233 400 End Panel Fines Assembly LH 2330.01 1 1 1000 Seaf Box Chain 23350.01 23 1000 End Panel Fines Assembly LH 2350.01 1 1 1000 Seaf Box Chain 23350.01 23 2000 End Panel Fines Assembly LH 2350.01 1 1 1000 Seaf Box Chain 23350.01 21 212 2000 End Panel Fines Assembly LH 2350.01 1 1 1 1000 Sen	14	4	M10 Nut	9141	41	~	M8 Nut	9106
1 M0 Fender Washer 9037 43 1 G to SB Drive Chain A2350.07 1 R0m HD Fal Washer 9034 44 1 R0 Slancev chain A2350.07 1 R0m HD Fal Washer 928 45 2 172 Chain John ZCH12J 1 Ratic Knob Long A23320 46 2 127 Chain John ZCH12J 1 Ratic Knob Long A23330 46 2 127 Chain John ZCH12J 1 Ratic Knob Long A233901 48 1 6 X3 Rein Rein ZCH12J 1 Ratic Knob Long A233901 48 1 6 X3 Rein Rein ZCH12J 1 Ratic Knob Long A233901 48 1 6 X3 Rein Rein Rein ZCH12J 1 Ratic Knob Long A233901 51 M12 X50 Belt A23301 2CH12J 1 A000 SeafFert Lay Shatr A233001 51 M12 X50 Belt A233001 2CH12D 1 A000 SeafFert Lay S	15	-	Swivel Collar	A2334	42	~	4000 End Panel Hinge Pin	A2530-05
1 10mm HD Flat Washer 9040 14 1 Mit O Startock Washer (Capped) 9045 1 2014 9045 1 9045 1 9045 1 9045 1 9045 1 9045 1 9045 1 1 9045 1 1 9045 1 2014 1 2014 1 2014 2014 1 2014 1 2014 1 2014	16	-	M10 Fender Washer	9037	43	~	GB to SB Drive Chain	A2530-07
1 7mm R Clp 9282 45 2 1/2* Chain Haff Link 2CH12L 1 1 70mm Sprovede 105 A2332-01 47 2 1/2* Chain Haff Link 2CH12L 1 170m Sprovede 105 A2339-01 47 2 1/2* Chain Johner 2CH12L 1 13 Sprovede 102 A2339-01 47 1 5 1/2* Chain Johner 2CH12L 1 13 Sprovede 102 A2339-01 48 1 6 x 40 Roll Pin 9250 1 4000 Gaer Bax Chain A2330-01 51 6 1/2 x 50 Boht A2330-10 9250 1 4000 Gaer Bax Chain A2330-01 53 6 M12 x 50 Boht A2330-10 9250 1 4000 Gaer Bax Chain A2330-01 A2330-01 802H A2330-10 1 177 Pite Sproved Tanioner A2330-01 A102 Conoloch Mut A2330-11 A2330-10 1 6200 Baserter A2330-01 A102 Conoloch Mut A2330-10 A2330-10 1 6200 B	17	-	10mm HD Flat Washer	9040	44	~	M10 Starlock Washer (Capped)	9045
1 Paratic Kindo Long A2332 46 2 1/2" Chain Joiner ZCH1/2.1 1 70mn Sprotekt Bloss A2070-01 47 2 6 × 40 Bill Pin 9251 1 71m Sprotekt Diss 2010 A2334-01 48 1 400 Gaer Box Chain 9251 1 38T Plate Sprotekt 12* A2334-01 48 1 4000 Eaer Box Chain 9251 1 4000 Gaer Box Chain A2330-05 50 1 4000 Eaer Box Chain 9250 1 4000 Gaer Box Chain A2530-05 52 12 M12 x 55 Bokt 9150 1 177 Plate Sproteir A2550-01 52 12 M12 x 55 Bokt 9150 1 177 Plate Sproteir Tensioner A2550-01 52 12 A2550-01 9150 1 177 Plate Sproteir Tensioner A2550-01 32 6 M12 x 55 Bokt 9150 1 177 Plate Sproteir Tensioner 9219 11 2000 Eacr Plate	18	-	2mm R Clip	9282	45	~	1/2" Chain Half Link	ZCH1/2J
1 70mm Sprocket Boss 2007-0-1 47 2 6 × 40 Roll Pin 9250	19	-	Plastic Knob Long	A2332	46	2	1/2" Chain Joiner	ZCH1/2L
1 1 6 × 30 Rel Pin 233 200 233 201 2230 1 381 Plate Sprocket 1/2 Pitch Boss 2010 23344 48 1 4000 End Panel Brace Assembly Lin 2530 1 1 1000 Gend Panel Brace Assembly Lin 2330-01 51 6 M12 × 50 Bolt 2530-11 2510-12 2	20	-	70mm Sprocket Boss	A2070-01	47	0	6 × 40 Roll Pin	9751
1 381 Plate Sproket IP 2000 End Panel Brace Assembly LH 2000 End Panel Brace Assembly RH 2000 End Panel Brace Assempter Astrend Assematere Assembly RH 2000 End Pane	21		13T Sprocket 1/2" Ditch Base 2010	A7330-01	Υ	1 -	6 × 30 Poll Din	0250 0250
1 1 2000 Great Sprotext LT Account Account <td>- 5</td> <td>-</td> <td></td> <td></td> <td>P</td> <td></td> <td></td> <td>9600 2000 10</td>	- 5	-			P			9600 2000 10
1 4000 Gear Box Chain A2530-05 50 5 4 000 End Brace Assembly IAH A2530-01 51 5 4 000 Seaf End Brace Assembly IAH A2530-01 51 1 1177 Plate Sprocket Tensioner A2530-01 53 6 M12 x 55 Bott A2530-01 6150 A250 A250 <td>3</td> <td>-</td> <td>381 Plate Sprocket ZP</td> <td>A2344</td> <td>49</td> <td>-</td> <td>4000 End Panel Brace Assembly LH</td> <td>A2530-10</td>	3	-	381 Plate Sprocket ZP	A2344	49	-	4000 End Panel Brace Assembly LH	A2530-10
1 4000 Seed&Fert Lay Shaft A2330-01 51 6 M12 × 56 Bolt B502H 1 1 1000 Seed&Fert G-B Tensioner A2330-02 52 12 M12 × 56 Bolt 9150 1 1 177 Plate Spacer 22350-01 51 8 12 × 55 Bolt 9150 200 Bearing 9219 9219 9219 9150 9150 1 6200 Bearing 9219 9219 9150 1 7 7 7 9150 1 6200 Bearing 9219 9219 9150 1 8 117 12 55 Bolt 9150 1 8 11 12 55 Bolt 9150 1 8 11 12 55 Bolt 9150 1 8 11 1 12 10 1 8 12 55 12 10 1 8 12 10 10 10 1 8 10 10 10 10 1 8 10 10 10 10 1 8 10 10 10 10 1 10 10 10 10 10 <td>23</td> <td>-</td> <td>4000 Gear Box Chain</td> <td>A2530-06</td> <td>20</td> <td>m</td> <td>4000 End Panel Brace Assembly RH</td> <td>A2530-11</td>	23	-	4000 Gear Box Chain	A2530-06	20	m	4000 End Panel Brace Assembly RH	A2530-11
1 4000 Seed&Fert G-B Tensioner 2530-01 53 1 2000 Seed&Fert G-B Tensioner 9150 1 177 Plate Sproket Tensioner 2330-01 53 6 M12 x55 Boit 8512H 1 6200 Bearing 9219 1 A2350-01 53 6 M12 x55 Boit 8512H 1 6200 Bearing 9219 1 A2350-01 53 6 100 X55 Boit 8512H 1 6200 Bearing 9219 1 A17 CHISON INDUSTRIES 8512H 1 6200 Bearing 1 6 1 8512H 10 1 6200 Bearing 1 6 1 8512H 10 1 6200 Bearing 1 6 1 10 10 1 6 1 6 1 1 10 10 1 6 1 6 1 1 1 10 10 1 6 1 1 1 1 1 10 10 10 10 1 1 1 <td< td=""><td>24</td><td>-</td><td>4000 Seed&Fert Lay Shaft</td><td>A2530-01</td><td>ر</td><td>ი</td><td>M12 × 50 Bolt</td><td>8502H</td></td<>	24	-	4000 Seed&Fert Lay Shaft	A2530-01	ر	ი	M12 × 50 Bolt	8502H
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1 E200 Bearing 219 2019 210 2010 211 2010 211 2010 211 2010 211 2010 211 2010 211 2010 211 2010 212 2010 213 2010 214 2010 215 2010 216 2010 217 2010 218 2010	26	~	17T Plate Sprocket Tensioner	A2350-01	53	9	M12 x 55 Bolt	8512H
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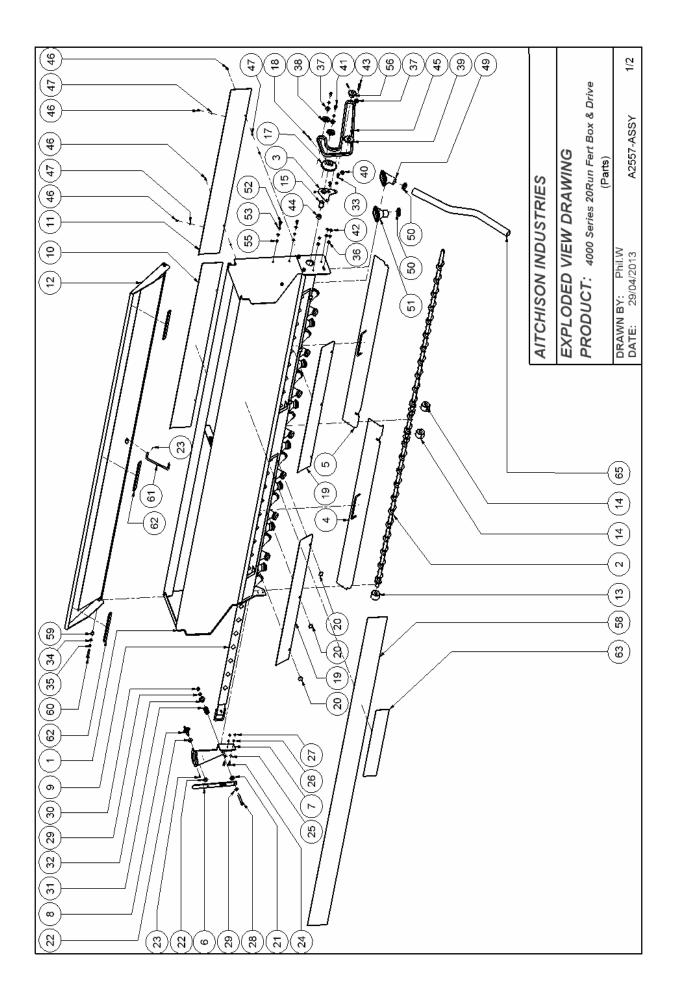


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1 1 2000 Jumbo LdDine End Parel Assembly 26522 29 1 Sprotock Bossis 1 6 FRolle Geerbox Assembly 2333 23 1 10 v0 Jumbo LdDine End Parel Assembly 1 1 6 FRolle Geerbox Assembly 23333 23 1 10 v0 Jumbo LdDine End Parel Boso 1 1 6 Fantor Califoration Point Assembly 23333 23 1 10 v0 Jumbo LdDine End Parel Boso 1 1 6 Fantor Califoration Point Assembly 23333 23 1 10 v0 Job LdDine End Parel Boso 2 1 1 6 Fantor Value 23333 23 1 10 v0 Job Ch 3 10 v0 Sole Boso 23 1 10 v0 Sole Geerbox 23333 23 1 100 v0 Socie Ch 3 10 v0 v0 Socie Ch 23 23 1 100 v0 Socie Ch 200 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20	-	-	4000 Jumbo Drive End Panel Assembly	A2631	28	Ļ	17T Plate Sprocket 1/2"	A2347
1 GFRolle Gearbox Assembly 2331 30 1 6×50 Roll him 1 1 Gerkour Calibration Pointier Assembly 2333 32 1 7000 Hum 1 1 Seed Adjustion Pointier Assembly 2333 32 1 700 Hum 1 1 Seed Adjustion Handle 2320.25 33 1 400 Vac Nut 3 M10 x 30 Boit 2322.107 36 1 400 Gear Bos 3 M10 x 30 Boit 2321.407 33 1 400 Gear Bos 4 A00 Gear Bos 2323.43 36 1 400 Gear Bos 1 M10 Find Washer 2037 41 1 400 Hum Dia 1 M10 Fender Washer 2031 40 1 400 Hum Dia 1 M10 Fender Washer 2037 41 1 200 Hum Dia 1 100m Hu M10 Fender Washer 2037 41 1 200 Hum Dia 1 100m Hu 1 100m Hu 2000 Gear Bos <td>2</td> <td>-</td> <td>4000 Jumbo N-Drive End Panel Assembly</td> <td>A2632</td> <td>29</td> <td>-</td> <td>Sprocket Boss 3000 ZP</td> <td>A2343-01</td>	2	-	4000 Jumbo N-Drive End Panel Assembly	A2632	29	-	Sprocket Boss 3000 ZP	A2343-01
1 Gearbox Calibration Pointer Assembly A3570-04 31 1 4000 Jumbo La 1 Seed Calibration Forner Assembly A303-35 32 1 1000 Countrol 1 Seed Calibration Event Assembly A30-30 32 1 M00 Note Nutrol 1 Seed Calibration Fandle A30-30 35 1 M00 Note Nutrol 5 Seed Calibration Fandle A30-30 35 1 M00 Note Nutrol 3 M10 x 30 Boit A30-30 35 1 M00 Gear Box A30-45 Boit 4 1000 Gear Box M10 Feel Washer 9041 43 1 4000 Gear Box 13 100 Feel Washer 9042 43 1 4000 Lambo Dr 1 100 Feel Washer 9031 41 1 1000 Jumbo Dr 1 100 Feel Washer 9042 43 1 1000 Jumbo Dr 1 100 Feel Washer 9041 43 8 6051 Cor 1 100 Feel Washer 2334 43	e	-	GF/Roller Gearbox Assembly	A2342	ဓ	~	6 x 50 Roll Pin	9262
1 Seed Adjustor Lever Assembly 22333 32 1 1717 Plate Sprot 1 Beed Adjustor Lever Assembly 22333 35 1 MI0 Vioo Null 1 Beed Adjustor Lever Assembly 22333 35 1 MI0 Vioo Null 1 Admituse Frankine 22333 35 1 4000 Gear Box 5 MI0 Xasher 3415H 36 1 4000 Gear Box 6 10mm Spring Washer 36415H 38 1 4000 Gear Box 13 12mm Flat Washer 9041 38 1 4000 Gear Box 13 12mm Flat Washer 9043 38 1 4000 Flat Plate 13 12mm Flat Washer 9041 38 1 4000 Flat Plate 13 17mm Flat Washer 9037 44 1 400 Flat Plate 13 17mm Flat Washer 9037 44 1 1 2006 Flat Plate 1 10mm MD Flat Washer 9141 42 1 1000 Flat Plate 13 10mm MD Flat Washer 9141 42 1 1000 Flat Plate 1 10mm MD Flat Washer 914 43 8 1000 Flat Plate 1 10mm MD Flat Washer	4	-	Gearbox Calibration Pointer Assembly	A3570-04	31	~	4000 Jumbo Lav Shaft	A2630-01
1 Seed Calibration Handle A230-25 33 1 M10 x 70 Boit 1 100 Gare Tox Tensioner Am Assembly A2231-37 36 1 A000 Gare Tox 3 M10 x 30 Boit 3 M10 x 30 Boit 36 1 2000 Gare Tox 4 1 100 Gare Tox Tensioner Am Assembly 8415H 36 1 2000 Gare Tox 4 1 11 Mis Anther 9041 38 1 4000 Eart Tox 5 1 10mm Spring Washer 9041 38 1 4000 Eart Tox 5 1 10mm Spring Washer 9041 43 4 1 4000 Eart Tox 1 1 10mm King 2333-01 42 4 1 4000 Eart Tox 1 1 10mm King 2333-01 4 1 1 12 1000 Marc 1 1 1 2333-01 4 8 6 1 1 1 1 1 1 1 <td>5</td> <td>-</td> <td>Seed Adjustor Lever Assembly</td> <td>A2333</td> <td>32</td> <td>~</td> <td>17T Plate Sprocket Tensioner</td> <td>A2350-01</td>	5	-	Seed Adjustor Lever Assembly	A2333	32	~	17T Plate Sprocket Tensioner	A2350-01
1 MB Arth-Luce Fastener A2821-07 34 1 M0 Nyloc Nut 3 1 4000 Gaar Box 41514 35 1 4000 Gaar Box 3 10 mm Flat Washer 9041 38 1 4000 Gaar Gox 1 10 mm Flat Washer 9041 38 1 4000 Gaar Gox 1 1 Nivel Collar 9041 38 1 4000 Gaar Gox 1 1 Nivel Collar 9037 40 1 40 1 1 1 Nivel Collar 9037 43 8 M6x 20 SIS Ca 9037 43 8 M6x 20 SIS Ca 1 1 Norm HD Flat Washer 9040 43 47 1 4000 Gaar Cap 1 1 1 2000 Stand Man 1 1 Orm HD Flat Washer 9140 42 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 <	9	-	Seed Calibration Handle	A230-25	ŝ	~	M10 x 70 Bolt	8423H
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6 10 mm Flat Washer 9042 37 1 4000 Seed&Fe 7 12 Wind Sping Washer 9041 38 1 Miox Seed&Fe 13 12mm Flat Washer 9051 40 1 4000 Lind 13 12mm Flat Washer 9051 40 1 4000 Lind 13 12mm Flat Washer 9051 40 1 400 Lind 1 M10 Nut 910 42 1 4000 End Pane 1 10 Dimm DF 914 42 1 400 Lind 1 10 Simm Platic Kinob Long 9233 45 4 1010 Min 1 1 Bastic Kinob Long 9233 47 1 600 End Pane 1 1 Bastic Kinob Long 9233 45 1 17 7 1 1 Bastic Kinob Long 9233 45 1 17 600 End Pane 1 1 Bistic Kinob Long 9233 45 1 17 7 1 600 End Pane 1 1 35mcKet 112* Pitch Boss 201D 2339-01 53 49 1 17 7 1 1 35mcKet 105p 13 131 Spicoket 112* Pitch Boss 201D 53 400 End Pane 1	6	m	M10 x 30 Bolt	8415H	36	~	6200 Bearing	9219
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1 Swirel Collar A2334 39 1 Seed Agitator S 13 12m Flat Washer 9051 40 1 4000 End Pane 1 10mm HD Flat Washer 9051 40 1 4000 End Pane 1 10mm HD Flat Washer 9051 41 1 4000 End Pane 1 10mm HD Flat Washer 9040 43 8 M6 x 20 SIS Ca 1 10mm HD Flat Washer 9040 43 8 M6 x 20 SIS Ca 1 10mm HD Flat Washer 9040 43 8 M6 x 20 SIS Ca 1 10mm HD Flat Washer 9040 43 47 1 6000 Jumbo Dn 1 2mm R Clip 9232 45 1 1077 Chain Juli 1 2mm R Clip 9230 46 1 1127 Chain Juli 1 2mm R Clip 9233 47 1 6 4000 End Pane 1 13 Stroket 127 A300 Rodent Stop A233-01 50 49 1 1000 End Pane 1 38 Plate Sproket 127 A300 Rodent Stop A300 End Pane 1 1000 Stock 12 1 1000 End Pane 1 38 Plate Sproket 12P A233-01 51 6 M12 x	11	4	10mm Spring Washer	9041	38	-	M10 × 45 Bolt	8404H
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1 M10 Fender Washer 9037 41 1 M10 Star Cap 4 M10 Nut 9141 42 1 400 Junbo Dr 1 Plastic Knob Long 9332 43 8 6mm Sz03/S Cap 1 Plastic Knob Long 9282 45 1 1/2" Chain Half 1 Zmm R Clip 9282 45 1 1/2" Chain Half 1 Zmm R Clip 9282 45 1 1/2" Chain Half 1 Zmm R Clip 9282 45 1 1/2" Chain Half 1 Zmm R Clip 9282 45 1 1/2" Chain Half 1 Smm R Clip 9282 48 2 400 End Pane 1 Smm R Clip 9282 48 1 1/2" Chain Half 1 Beathor Callbration Decal 9337/19-03 47 1 400 End Pane 1 I Beathor Callbration Decal 9106 26 89 6 1/2" Chain Half 1 I Sproket 1/2" Pitch Boss 2010 A337/19-03 47 1 4000 End Pane 1 I Sproket 1/2" Pitch Boss 2010 A231 23 43 1 4000 End Pane 1 I	13	13	12mm Flat Washer	9051	4	~	4000 End Panel Hinge Pin	A2530-05
4 M10 Nut 9141 42 1 4000 Jumbo Dr 1 10mm HD Flat Washer 9040 43 8 M6 x 20 SIS Ga 1 1 Pastic Knob Long 9240 43 8 M6 x 20 SIS Ga 1 1 Zano 2233 45 1 1/2" Chain Julin 1 2mm R Clip 9289 46 1 1/2" Chain Julin 1 5mm R Clip 9289 46 1 1/2" Chain Julin 1 5mm R Clip 9239-01 50 3 4000 End Pane 1 1 Gantox calibration Decal 913032 48 1 1/2" Chain Julin 1 1 Gantox calibration Decal 91033 46 1 1/2" Chain Hall 1 1 15 Mout 2533-01 50 6 M12 x 50 6 1 13 13 13 14000 53 6 M12 x 50 6 1 1 70m <	14	-	M10 Fender Washer	9037	4	~	M10 Star Cap	9045
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1 Plastic Knob Long 44 8 6mm Spring Wu 1 2mm R Clip 9282 45 1 1/2" Chain Julin 1 1 5mm R Clip 9282 45 1 1/2" Chain Julin 1 1 55mm R Clip 9283 46 1 1/2" Chain Julin 1 1 55mm R Clip 3719-03 47 1 1/2" Chain Julin 1 1 55mm R Clip 37319-03 48 2 6 × 40 Roll Pin 1 1 66 33719-03 48 1 4000 End Pane 1 1 13 5006 49 1 4000 End Pane 1 13 5006 49 1 4000 End Pane 1 17 500 40 12 500 6 M12 × 50 Bulit 1 1 7 7 53 12 M12 × 50 Bulit 12 12 12 600 M12 × 50 Bulit 1 33T Plate Sprocket ZP A2344 A2344 A2344 A12 A12 55 6 <td>16</td> <td>-</td> <td>10mm HD Flat Washer</td> <td>9040</td> <td>43</td> <td>ω</td> <td>M6 x 20 S/S Cap Screw</td> <td>8207S</td>	16	-	10mm HD Flat Washer	9040	43	ω	M6 x 20 S/S Cap Screw	8207S
1 2mm R Clip 9282 45 1 1/2" Chain Half 1 5mm R Clip 9289 46 1 1/2" Chain Join 1 1 Gearbox Calibration Decal 9289 47 1 6 40 1 1/2" Chain Join 1 1 Gearbox Calibration Decal 93719-03 47 7 8 2 6 x300 End Pane 1 1 13T Sprocket 1/2" Pitch Boss 20ID A2339-01 50 3 4000 End Pane 1 1 13T Sprocket 1/2" Pitch Boss 20ID A2339-01 50 5 6 M12 x 56 Boit 1 1 13T Sprocket 1/2" Pitch Boss 20ID A2339-01 53 12 M12 x 56 Boit 1 1 10col Robin A2330-01 53 12 M12 x 56 Boit 1 1 7 7 A2334-01 53 12 M12 x 56 Boit 1 1 7 1 1 10mm Sproket Sproket ZP A2344 12 M12 x 56 Boit 1 36T Plate Sproket ZP A3T Plate Sproket ZP A2344	17	-	Plastic Knob Long	A2332	44	œ	6mm Spring Washer	9021
1 5mm R Clip 9289 46 1 1/2" Chain Join 1 65mm Plastic Cap 83719-03 47 1 6 × 30 Roil Pin 1 1 68mm Plastic Cap 9106 48 2 6 × 40 Roil Pin 1 1 8000 48 48 2 6 × 40 Roil Pin 1 1 137 Sprocket 1/2" Flich Boss 20ID A2339-01 50 3 4000 End Pane 1 1 133 Sprocket 1/2" Flich Boss 20ID A2339-01 51 6 M12 × 55 Boit 1 1 2000 Rodent Stop A2330-07 51 6 M12 × 55 Boit 1 1 2000 Rodent Stop A2330-01 53 12 M12 × 55 Boit 1 20m Sprocket Boss A2334 A2334-01 53 12 M12 × 55 Boit	18	-	2mm R Clip	9282	45	~	1/2" Chain Half Link	ZCH1/2-L
1 65mm Plastic Cap A3719-03 47 1 6 x 30 Roll Pin 1 Gearbox Calibration Decal D3032 48 2 6 x 40 Roll Pin 1 M8 Nut 9106 49 1 4000 End Pane 1 1 131 Sporoket 112" Pitch Boss 20ID A2339-01 50 3 4000 End Pane 1 1 131 Sporoket 112" Pitch Boss 20ID A2339-01 55 6 M12 x 50 Boit 1 1 1 Consolet 112" Pitch Boss 20ID A2339-01 53 6 12 x 50 Boit 1 1 Decal 4000 Rodent Stop A20070-01 53 12 M12 x 50 Boit 1 1 T0mm Sprocket Boss A20070-01 53 12 M12 x 50 Boit 1 38T Plate Sprocket ZP A2344 A2344 A2344	6 0	-	5mm R Clip	9289	46	~	1/2" Chain Joiner	ZCH1/2-J
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1 M8 Nut 9106 49 1 4000 End Pane 1 13T Sproket 1/2" Pitch Boss 2010 A23339-01 50 3 4000 End Pane 1 1 CB to SB Drive Chain A2530-07 51 6 M12 x 50 Bolt 1 1 Decal 4000 Rodent Stop D4001 52 6 M12 x 55 Bolt 1 70mm Sproket Boss A2070-01 53 12 M12 x 55 Bolt 1 70mm Sproket Boss A2070-01 53 12 M12 x 55	21	-	Gearbox Calibration Decal	D3032	48	0	6 x 40 Roll Pin	9251
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Phil.W							PRODUCT: Jumbo End Panel (Numbe	s & Drive System Is)
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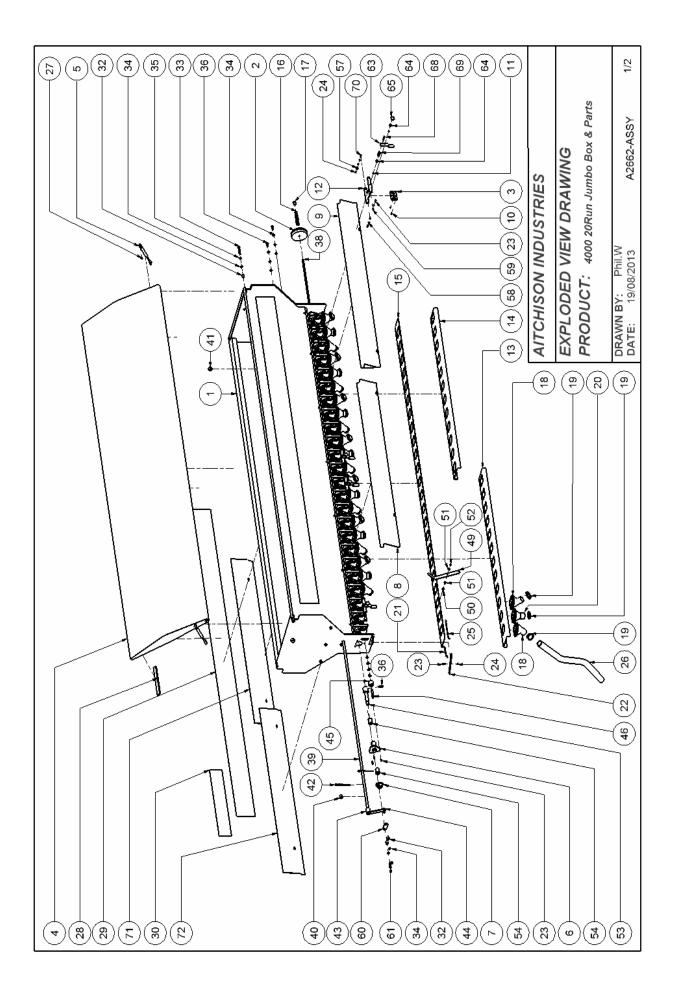




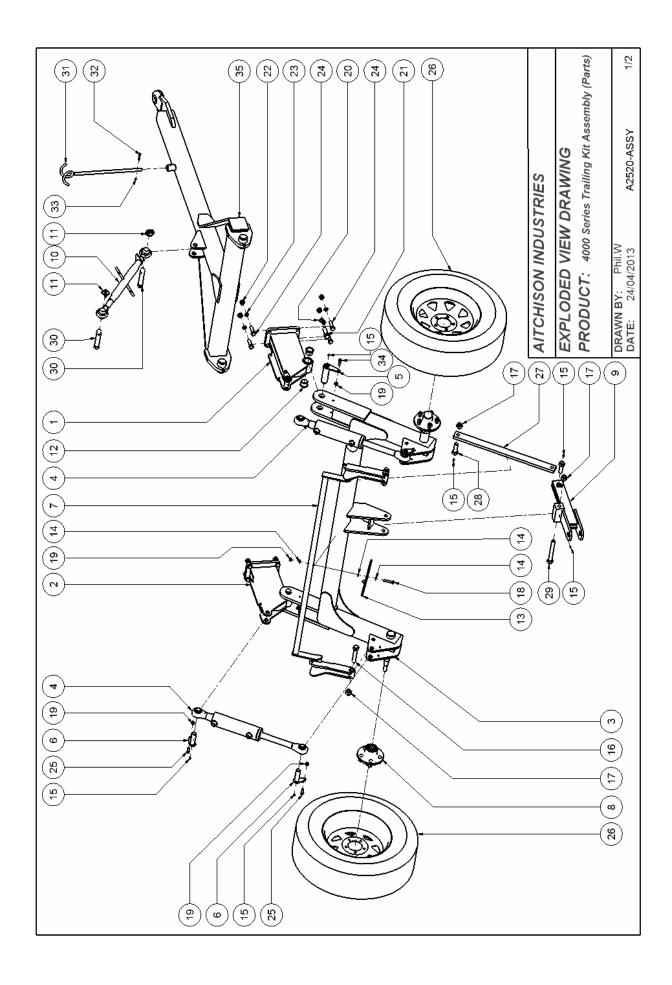
A2546 36 1 20Run Seed D-S Rear Inspection Panel MB/y A23805 37 1 2000. Seed On-D-S Rear Inspection Panel A23805 38 1 2000. Seed On-D-S Rear Inspection Panel A2547 39 1 2000. Seed On-D-S Rear Inspection Panel Assembly A2543 40 1 Nm Seed Nucl. Assembly A2544 43 6 2100 Flanged Bush A2545-01 46 1 MB x 20 But A2545-01 A2545-01 46 1 A000 End Panel Robert Handle A2545-01 46 1 A010 Mut A2540-01 A2545-02 48 1 A010 Mut A2540-01 A2540-05 49 2 A010 Mut A2540-01 A2540-06 50 2 A010 Mut A2540-01 A2540-07 55 4 2 A010 Mut A2540-01 A2540-07 56 1 B010 Mut A2540-01 A01 A2540-07 57 <td< th=""><th>ΔΤΥ</th><th>DESCRIPTION</th><th>PART NUMBER</th><th>ITEM</th><th>QTY</th><th>DESCRIPTION</th><th>PART NUMBER</th></td<>	ΔΤΥ	DESCRIPTION	PART NUMBER	ITEM	QTY	DESCRIPTION	PART NUMBER
A23605 37 1 20Run Seed Non-D-S Reat Inspection Panel mbly A2544 38 1 4000 End Panel Rocent Handle Assembly A2548 30 1 4000 End Panel Rocent Handle Assembly A2548 40 1 Min Nucl Nitt Assembly A2549 43 6 S210M Flanged Bush A2549-01 45 1 Millor Shaft ACD A2545-02 47 1 4000 Adjator Shaft Am A2540-05 50 2 515 Flanged Bush A2540-05 50 1 A000 Adjator Shaft Am A2540-05 50 1 8000 Adjator Shaft Am A2540-05 51 1 600 Adjator Shaft Am A2540-05 51 1 8000 Adjator Shaft Am A2540-05 51 1 8000 Adjator Sha	20Run Seed Box Assembly		A2546	36	-	20Run Seed D-S Rear Inspection Panel	A2545-04
MDI A2364 38 1 4000 20Run Agilator Shaft Assembly A2547 39 1 4000 EPanel Rodent Handle Assembly A2547 39 1 4000 EPanel Rodent Handle Assembly A2547 39 1 4000 ENth R Units A28025 A28025 42 1 MB x 20 Bolt A2802 A2802 <td>3" x 2" S/S Butt Hinge</td> <td></td> <td>A23805</td> <td>37</td> <td>-</td> <td>20Run Seed Non-D-S Rear Inspection Panel</td> <td>A2545-05</td>	3" x 2" S/S Butt Hinge		A23805	37	-	20Run Seed Non-D-S Rear Inspection Panel	A2545-05
mbly A2547 39 1 400 End Panel Rodent Handle Assembly A2548 40 1 8m S 20 Bolt Assembly A2549 42 1 8m S 20 Bolt A28401 43 6 S 210M Flanged Bush A28401 45 1 600 Adjatator Shart R Clip A28401 46 1 Agitator Shart R Clip A28401 46 1 460 Adjatator Shart R Clip A2840-01 46 1 460 Adjatator Shart Adm A2840-05 49 2 Adjatator Shart Adm A2840-05 50 2 51 Flanged Bush A2540-05 50 <t< td=""><td>20 Sponge Pad & Disc</td><td></td><td>A2364</td><td>38</td><td>-</td><td>4000 20Run Agitator Shaft</td><td>A2545-06</td></t<>	20 Sponge Pad & Disc		A2364	38	-	4000 20Run Agitator Shaft	A2545-06
Assemtly A2548 40 1 8mm Flat Washer Assemtly A2337 41 1 Min No.20 But A2337 41 1 Min No.20 But A2340-01 45 1 Min No.20 But A2340-01 45 1 Min No.20 But A2545-02 47 1 A000 Adjatator Shaft Arm A2545-02 46 1 Adjetor Link A2545-02 47 1 4000 Adjatator Shaft Arm A2545-03 49 2 Adjetor Link A2545-03 49 2 Adjetor Collar A2545-03 49 1 Adjetor Collar A2545-03 49 2 Adjetor Bush A2545-03 51 1 Mit Grand A2545-03 56 4 Scot Mather 910 2 56 1 Mit Grand A2540-06 50 2 56 Adjetor Link A2540-07 55 4 Scot Mit Plasher <td>20Run Front D-S Calibration Panel Assembly</td> <td>Assembly</td> <td>A2547</td> <td>39</td> <td>-</td> <td>4000 End Panel Rodent Handle</td> <td>A2540-11</td>	20Run Front D-S Calibration Panel Assembly	Assembly	A2547	39	-	4000 End Panel Rodent Handle	A2540-11
A2337 41 1 M8 x 20 Bolt A2649 42 1 M8 Nyoc Nut A2549 42 1 M8 Nyoc Nut A2549 43 2 Agitator Shart R Clip A2540-01 45 1 16mm Locking Collar A2545-01 46 1 Agitator Shart Arm A2545-01 46 1 Agitator Link Bokt A2540-05 48 1 Agitator Link Bokt A2540-05 48 1 Agitator Link Bokt A2540-05 51 1 Moto Majatator Shart Arm A2540-05 51 1 Moto Majatator Shart Arm A2540-05 55 1 Agitator Arm Link A2540-07 55 1 Moto Nut 9109 52 1 Moto Nut 92302 55 1 Moto Nut 9109 52 1 Moto Nut 9109 52 1 Moto Nut 9109 52 1 Moto	20Run Front Non-D-S Calibration Panel Assembly	anel Assembly	A2548	40	-	8mm Flat Washer	9031
A28025 42 1 M8 Nyoc Nut A2549 43 6 S 210M Flanged Bush A2549-01 45 1 16miLocking Colar A2545-01 46 1 Agitator Boss A2545-01 46 1 Agitator Shart Rclip A2545-02 47 1 4000 Adjatator Shart Arm A2545-03 49 2 Adjatator Shart Arm A2540-06 50 2 85 Flanged Bush A2540-05 51 1 4000 Adjatator Shaft Arm A2540-06 50 2 85 Flanged Bush A2540-06 50 2 85 Flanged Bush A2540-07 55 1 4000 Adjatator Shaft Arm A2540-07 55 1 4000 ZORU 48 A2540-07 55 1 4000 ZORU 48 A2540-07 55 1 4000 ZORU 48 A2540-07 55 1 1000 ZORU 48 A2540-07 55 1 <td< td=""><td>Seed Shaft Mount</td><td></td><td>A2337</td><td>41</td><td>-</td><td>M8 × 20 Bolt</td><td>8311H</td></td<>	Seed Shaft Mount		A2337	41	-	M8 × 20 Bolt	8311H
A2549 43 6 S 210M Flanged Bush A2384-01 44 20 Agitator Shart R Cip A2384-01 45 1 Agitator Shart R Cip A2345-01 45 1 Agitator Shart R Cip A2545-02 47 1 4000 Adjatator Shart R Cip A2545-03 48 1 Agitator Shart R Cip A2545-05 50 2 5 1 400 Adjatator Shart Arm A2540-05 50 2 5 1 4 4000 Adjatator Shart Arm A2540-05 50 2 5 1 5 1 Mit Scheme Straight A2540-07 55 1 Mit Greese Nipple Straight 1 1 A2540-07 55 1 Mit Greese Nipple Straight 1 1 A2540-07 55 1 Nic Greese Straight 1 1 A2540-07 55 1 Nic Greese Straight 1 1 A2540-07 55 1 Nic Greese Straight 1 1 A2540-07	13T Sprocket 1/2" Agitator Boss		A28025	42	-	M8 Nyloc Nut	9105
A2384-01 44 20 Agitator Shart R Clip A2540-01 45 1 form Locking Collar A2545-01 46 1 400 taktor Shaft Arm A2545-03 48 1 400 taktor Shaft Arm A2545-03 48 1 400 taktor Shaft Arm A2545-05 49 2 Agitator Arm Link A2540-05 59 1 A00 taktor Shaft Arm A2540-05 59 1 A60 taktor Shaft Arm A2540-05 50 2 Agitator Arm Link A2540-05 50 1 B00 taktor Shaft Arm B205H 51 1 B00 taktor Shaft Arm A2540-07 55 1 B00 20Run Seed Shaft A2540-07 55 1 M00 20Run Seed	4000 Series Seed Lid Assembly (20Run)	Run)	A2549	43	9	S 210M Flanged Bush	A2357
A2540-01 45 1 f6mm Locking Collar A2545-01 46 1 Agitator Shaft Arm A2545-02 48 1 Agitator Arm Link A2545-03 48 1 Agitator Arm Link A2540-05 49 2 Agitator Arm Link A2540-05 50 2 S 15 Flanged Bush A2540-05 50 1 Boo Z A2540-05 55 1 S 49 2 Agitator Link Bolt A2540-05 55 1 Boo Agitator Arm Link Azitator Link Bolt A2540-05 55 1 Boo Z S 45 S 40 9102 55 1 Boo Agitator Arm Link Azitator Arm Link 9205 55 1 Boo Agitator Arm Link Azitator Arm Link 9202 55 1 Boo Azitator Arm Link Azitator Arm Link Azitator Arm Link 9202 55 1 Motor Arm Link Azitator Arm Link A	35mm Seed Dropper Hose / Meter		A2384-01	44	20	Agitator Shart R Clip	A2359
A2545-01 46 1 Agitator Bash Run) A2545-02 47 1 4000 Adjatator Shaft Arm A2545-02 48 1 1 4000 Adjatator Shaft Arm A2540-05 50 2 Agitator Link Bolt A2540-05 A2540-05 50 2 S 15 Flanged Bush A2540-07 B205H 51 1 M6 Grease Nipple Straight B205H 51 1 M6 Grease Nipple Straight B205H 55 1 M6 Grease Nipple Straight B205H 55 1 M6 Grease Nipple Straight B240-07 55 1 M00 20Run Seed Shaft 9022 57 10 Nyon Tensioner Roller 9121 58 1 M10 Nyoc Nut 9021 59 1 Nyon Tensioner Roller 9121 58 1 M10 Nyoc Nut 9022 61 1 M12 × 65 Bolt A3040-07 61 2 1000 Strais Bolt 82055	4000 Series Blank Off Plate Retainer		A2540-01	45	-	16mm Locking Collar	A2360
Number A2545-02 47 1 4000 Adjatator Shaft Arm A2540-05 48 1 Adjator Arm Link A2540-05 50 2 Adjator Ink Bolt A2540-05 50 2 Adjator Link Bolt A2540-05 50 2 Adjator Link Bolt A2540-05 50 1 No 2 B2054 51 1 No Seed Shaft Axle A2540-07 55 1 A000 20Run Seed Shaft Seed Shaft 9109 52 1 M00 20Run Seed Shaft Seed Shaft 9109 55 1 M00 20Run Seed Shaft Seed Shaft 9109 55 1 M00 20Run Seed Shaft Seed Shaft 9121 59 1 Nyion Fransioner Roller Seed Shaft 9121 59 1 Nyion Fransioner Roller Seed Shaft 9121 50 1 Nyion Fransioner Roller Seed Shaft 9121 50 1 Nyion Fransioner Roller Seed	4000 Series D-End Seed Tray (20Run)	(u	A2545-01	46	-	Agitator Boss	A28034-02
A2545-03 48 1 Agitator Arm Link A2540-05 49 2 Agitator Link Bott A2540-05 50 1 2 Seed Shath Able R2540-07 55 1 800 Colleman Seed Shath Able 82540-07 55 1 Seed Shath Able Straight 9109 52 1 Seed Shath Able Straight 9121 55 4 S 206M Flanged Bush Seed Shath Able 9222 57 10 10 mm Flat Washer Seed Shath Able 9021 59 1 Nylon Tensioner Roller Seed Shath Able 9022 57 10 Nylon Tensioner Roller Seed Shath Able 9021 59 1 Nylon Tensioner Roller Seed Shath Able 9022 61 1 Nylon Tensioner Roller Seed Shath Able 9021 59 1 Nylon Tensioner Roller Seed Shath Able 9022 62 2 M12 Nut Seed Shath Able Seed Shath Able	4000 Series Non-D-End Seed Tray (20Run)	ORun)	A2545-02	47	Ļ	4000 Adjatator Shaft Arm	A2540-12
05 49 2 Agitator Link Bolt 06 50 2 S 15 Flanged Bush 51 1 M6 Grease Nipple Straight 52 1 Seed Shaft Axle 07 55 1 A000 20Run Seed Shaft 57 10 10 mm Flat Washer 57 10 10 mm Flat Washer 57 10 10 mm Flat Washer 58 1 Nylon Tensioner Roller 59 1 Nylon Tensioner Roller 60 1 M12 x 65 Bolt 07 61 2 63 8 10mm Spring Washer 64 6 M10 Nut 65 6 M10 Nut 66 1 2.5M Yellow Panel Decal 11 69 1 2.5M Yellow Panel Decal 13 70 3 Buffer Pad 13 70 3 Buffer Pad 13 70 3 Buffer Pad 13 70 3	4000 Series Rodent Stop Slide (20Run)	u)	A2545-03	48	-	Agitator Arm Link	A28008
06 50 2 S 15 Flanged Bush 51 1 M6 Grease Nipple Straight 52 1 Seed Shaft Axle 07 55 1 4000 20Run Seed Shaft 57 10 10 mm Flat Washer 57 10 10 mm Flat Washer 58 1 M10 Nyloc Nut 59 1 Nylon Tensioner Roller 59 1 Nylon Tensioner Roller 60 1 M12 x 65 Bolt 07 61 2 63 8 10mm Spring Washer 64 6 M10 x 25 Bolt 65 6 M10 Nut 66 1 2.5M Yellow Panel Decal 67 2 M10 Nut 68 1 4.000 Series Lid Stay 11 69 1 3.20 Roll Pin 13 70 3 Buffer Pad 13 70 3 Buffer Pad 12 71 1 6.01 1 <td>4000 Series Rodent Stop Link Wire</td> <td></td> <td>A2540-05</td> <td>49</td> <td>2</td> <td>Agitator Link Bolt</td> <td>A2618-04</td>	4000 Series Rodent Stop Link Wire		A2540-05	49	2	Agitator Link Bolt	A2618-04
51 1 M6 Grease Nipple Straight 52 1 Seed Shaft Axle 57 1 Seed Shaft Axle 57 1 4000 20Run Seed Shaft 57 10 10 mm Flat Washer 57 10 10 mm Flat Washer 58 1 M10 Nyloc Nut 59 1 Nylon Tensioner Roller 60 1 M12 x 65 Bolt 07 61 2 12 Nut 63 8 10mm Spring Washer 63 8 10mm Spring Washer 64 6 M10 Nut 65 6 M10 Nut 66 1 25M Yellow Panel Decal 67 2 M10 Nut 68 1 25M OR Split 10 68 1 3 20 Roll Pin 11 69 1 3 20 Roll Pin 12 70 3 Buffer Pad 12 71 1 60 Roll Pin 13 2 </td <td>4000 Series Rodent Stop Link Arm</td> <td></td> <td>A2540-06</td> <td>50</td> <td>2</td> <td>S 15 Flanged Bush</td> <td>A2352</td>	4000 Series Rodent Stop Link Arm		A2540-06	50	2	S 15 Flanged Bush	A2352
52 1 Seed Shaft Axle 07 55 1 4000 20Run Seed Shaft 56 4 S 206M Flanged Bush 57 57 10 10 mm Flat Washer 58 1 58 1 M10 Nyloc Nut 59 1 Nylon Tensioner Roller 59 1 Nylon Tensioner Roller 59 1 Nylon Tensioner Roller 60 1 M12 × 65 Bolt 5 10 10 mm Spring Washer 61 2 N12 Nut 5 10 10 m Spring Washer 63 8 10mm Spring Washer 5 10 10 65 6 M10 x25 Bolt 5 10 10 66 1 2.5M Yellow Panel Decal 5 10 10 10 67 2 M10 Nut 6 1 3 20 1 13 70 3 Buffer Pad 1 1 1 1 13 10 1 1	16 M6x20 Bolt		8205H	51	-	M6 Grease Nipple Straight	9323
07 55 1 4000 20Run Seed Shaft 56 4 S 206M Flanged Bush 57 10 10 mm Flat Washer 58 1 M10 Nyloc Nut 59 1 Nylon Tensioner Roller 59 1 Nylon Tensioner Roller 60 1 M12 Nut 07 61 2 10 m Spring Washer 63 8 10mm Spring Washer 10 64 6 M10 Nut 6 65 6 M10 Nut 10 65 6 M10 Nut 10 65 6 M10 Nut 10 66 1 2.5M Yellow Panel Decal 10 67 2 M10 Nut 10 10 10 68 1 4000 Series Lid Stay 11 11 69 1 3.20 Roll Pin 11 13 70 3 Buffer Pad 11 13 70 3 Buffer Pad	M6 Nyloc Nut		9109	52	-	Seed Shaft Axle	A2361
56 4 S 206M Flanged Bush 57 10 10 mm Flat Washer 58 1 Nylon Tensioner Roller 59 1 Nylon Tensioner Roller 60 1 M12 x 65 Bolt 07 61 2 M12 x 05 63 8 10 mm Spring Washer 63 8 10mm Spring Washer 63 8 10mm Spring Washer 64 6 M10 Nut 65 6 M10 Nut 66 1 2.5M Yellow Panel Decal 10 68 1 4000 Series Lid Stay 11 69 1 3.20 Roll Pin 13 70 3 Buffer Pad 13 70 3 Buffer Pad 12 71 1 6.40 Roll Pin 12 72 1 10 X 20 Bolt	4000 Series Rodent Stop Lever Wire		A2540-07	55	-	4000 20Run Seed Shaft	A2545-07
57 10 10 mm Flat Washer 58 1 M10 Nyloc Nut 59 1 Nylon Tensioner Roller 60 1 M12 x 65 Bolt 07 61 2 M12 Nut 07 61 2 M12 Nut 63 8 10mm Spring Washer 10 64 6 M10 Nut 10 65 6 M10 Nut 10 66 1 2.5M Yellow Panel Decal 10 67 2 M10 Nut 10 68 10 68 1 4000 Series Lid Stay 11 69 1 3.20 Roll Pin 11 69 1 3.20 Roll Pin 12 70 3 Buffer Pad 12 70 3 Buffer Pad 12 70 1 60 13 70 3 Buffer Pad 12 70 1 60 10 1 <t< td=""><td>16 6-8 S/S Rivet</td><td></td><td>9302</td><td>56</td><td>4</td><td>S 206M Flanged Bush</td><td>A2355</td></t<>	16 6-8 S/S Rivet		9302	56	4	S 206M Flanged Bush	A2355
58 1 M10 Nyloc Nut 59 1 Nylon Tensioner Roller 60 1 M12 x 65 Bolt 07 61 2 M12 Nut 63 8 10m Spring Washer 1 64 6 M10 x 25 Bolt 1 65 6 M10 x 25 Bolt 1 66 1 2.5M Yellow Panel Decal 1 67 2 M10 Nut 1 1 66 1 2.5M Yellow Panel Decal 1 1 10 68 1 2.5M Yellow Panel Decal 1 11 69 1 2.5M Yellow Panel Decal 1 11 69 1 3.20 Roll Pin 1 12 71 1 6.40 Roll Pin 1 12 71 1 6.40 Roll Pin 1	6mm Fender Washer		9022	57	10	10 mm Flat Washer	9042
59 1 Nylon Tensioner Roller 07 61 2 M12 x 65 Bolt 07 61 2 M12 Nut 60 1 M12 x 65 Bolt 63 8 10mm Spring Washer 64 6 M10 Nut 65 6 M10 Nut 66 1 2:5M Yellow Panel Decal 67 2 M10 Staty 10 68 1 4000 Series Lid Stay 11 69 1 3 x 20 Roll Pin 12 71 1 64 Koll Pin 12 71 1 64 Koll Pin	19 M6 Nut		9121	58	-	M10 Nyloc Nut	9142
60 1 M12 x 65 Bolt 07 61 2 M12 Nut 62 2 12mm Flat Washer 1 63 8 10mm Spring Washer 1 64 6 M10 x 25 Bolt 1 65 6 M10 Nut 1 1 66 1 2.5M Yellow Panel Decal 1 1 10 68 1 2.5M Yellow Panel Decal 1 11 2 M10 Nut 1 1 1 11 69 1 2.5M Yellow Panel Decal 1 1 13 70 3 Buffer Pad 1 <	19 6mm Spring Washer		9021	59	-	Nylon Tensioner Roller	A2336-04
07 61 2 M12 Nut 62 2 12mm Flat Washer 63 8 10mm Spring Washer 64 6 M10 x 25 Bolt 65 6 M10 Nut 66 1 2.5M Yellow Panel Decal 67 2 M10 Nut 68 1 2.5M Yellow Panel Decal 10 68 1 2.5M Yellow Panel Decal 11 2 M10 Nut 1.3 12 1 1.4000 Series Lid Stay 1.4000 Series Lid Stay 13 70 3 Buffer Pad 1.3 12 71 1 6.40 Roll Pin 1.1 12 72 1 1.00 X 20 Bolt 1.1	M6 x 25 Bolt		8213H	60	-	M12 x 65 Bolt	8507H
62 2 12mm Flat Washer 63 8 10mm Spring Washer 64 6 M10 x 25 Bolt 65 6 M10 Nut 66 1 2.5M Yellow Panel Decal 67 2 M10 x 65 Bolt 10 68 1 4000 Series Lid Stay 11 69 1 3 x 20 Roll Pin 13 70 3 Buffer Pad 12 71 1 64 Roll Pin 12 71 1 0 Stay	Seed Tray Clip		A3040-07	61	2	M12 Nut	9152
63 8 10mm Spring Washer 64 6 M10 x 25 Bolt 65 6 M10 Nut 66 1 2.5M Yellow Panel Decal 67 2 M10 x 65 Bolt 10 68 1 4000 Series Lid Stay 11 69 1 3 x 20 Roll Pin 13 70 3 Buffer Pad 12 71 1 6x40 Roll Pin 12 71 1 0 X 20 Bolt	M6 Cross Knob		9122	62	2	12mm Flat Washer	9051
64 6 M10 x 25 Bolt 65 6 M10 Nut 66 1 2.5M Yellow Panel Decal 67 2 M10 x 65 Bolt 10 68 1 4000 Series Lid Stay 11 69 1 3 x 20 Roll Pin 12 70 3 Buffer Pad 12 71 1 6x40 Roll Pin 12 72 1 100 x 20 Bolt	6mm S/S Fender Washer		9022S	63	∞	10mm Spring Washer	9041
65 6 M10 Nut 66 1 2.5M Yellow Panel Decal 67 2 M10 x 65 Bolt 10 68 1 4000 Series Lid Stay 11 69 1 3 x 20 Roll Pin 13 70 3 Buffer Pad 12 71 1 6x40 Roll Pin 12 71 1 6x40 Roll Pin	M6 S/S Nut		9121S	64	9	M10 x 25 Bolt	8418H
66 1 2.5M Yellow Panel Decal 67 2 M10 x 65 Bolt 10 68 1 4000 Series Lid Stay 11 69 1 3 x 20 Roll Pin 13 70 3 Buffer Pad 12 71 1 6x40 Roll Pin 12 71 1 6x40 Roll Pin	M6 x 20 S/S Bolt		8205S	65	9	M10 Nut	9141
67 2 M10 x 65 Bolt 68 1 4000 Series Lid Stay 69 1 3 x 20 Roll Pin 70 3 Buffer Pad 71 1 6 x 40 Roll Pin 72 1 M10 x 20 Bolt	M6 x 50 SS Bolt		8210S	99	-	2.5M Yellow Panel Decal	D1509
68 1 4000 Series Lid Stay 69 1 3 x 20 Roll Pin 70 3 Buffer Pad 71 1 6 x 40 Roll Pin 72 1 M10 x 20 Bolt			A4619	67	2	M10 x 65 Bolt	8417H
69 1 3 x 20 Roll Pin 70 3 Buffer Pad 71 1 6 x 40 Roll Pin 72 1 M10 x 20 Bolt			A2280-10	68	٦	4000 Series Lid Stay	A2540-15
70 3 Buffer Pad 71 1 6 x 40 Roll Pin 72 1 M10 x 20 Bolt	20 S 9 Plastic Bush		A2280-11	69	-	3 x 20 Roll Pin	9267
71 1 6 x 40 Roll Pin 72 1 M10 x 20 Bolt AITCHISON INDUSTRIES	14 Fert Cup Angled		A2290-13	70	З	Buffer Pad	A2375
72 1 M10 x 20 Bolt AITCHISON INDUSTRIES			A2290-12	71	-	6 x 40 Roll Pin	9251
AITCHISON INDUSTRIES	20 35mm Crey Clip		A2370	72	-	M10 x 20 Bolt	8419H
		ļ				AITCHISON INDUSTRIES	
	1			٦ĵ		PRODUCT: 20Run Seed Box & A	arts Assembly
PRODUCT: 20Run Seed Box & Parts Assembly (Numbers)							1
PRODUCT: 20Run Seed Box & Parts Assembly (Numbers)						V BY: Phil.W 24/07/2013	
PRODUCT: 20Run Seed Box & Parts Assembly (Numbers) DRAWN BY: Phil.W A2545-ASSY 2/2 DATE: 24/07/2013 A2545-ASSY 2/2							



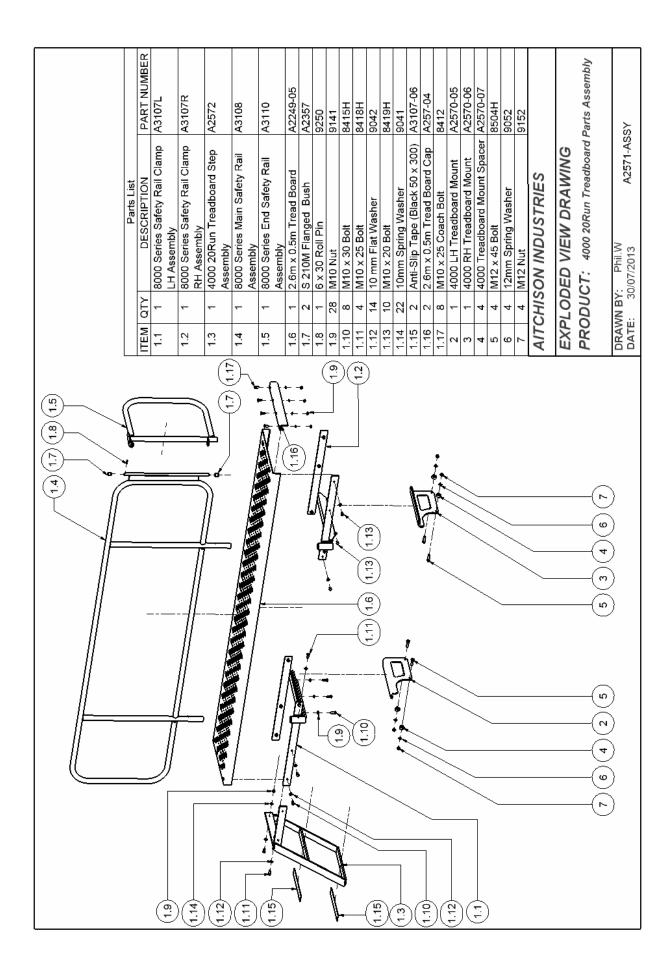
		Parts List				Parts List	
ITEM (QTΥ	DESCRIPTION	PART NUMBER	ITEM	QTY	DESCRIPTION	PART NUMBER
-	-	4000 20Run Complete Fert Box Assembly	A2564	36	e	M10 Nut	9141
2	-	4000 20Run Fert Auger Assembly	A2565	37	<i>с</i>	6200 Bearing	9219
с	1	4000 Fert Auger Drive Mount Assembly	A2555	38	2	13T 1/2" Pitch Idler Sprocket	A2550-05
4	٢	4000 20Run Fert Baffle Assembly	A2566	39	-	17T Plate Sprocket Tensioner	A2350-01
9	-	Fertiliser Control Arm	A23142	40	~	4000 Fert Auger Tensioner Boss	A2550-02
7	-	Fertiliser Control	A23143	42	-	10mm HD Flat Washer	9040
œ	-	M10 Fert Adjuster Handle	A23145	43	-	M10 x 45 Bolt	8404H
6	-	4000 20Run Fert Slide Assembly	A2576	44	-	7/8" Shaft Collar (22mm)	A23148
10	۰	4000 20Run Fert Slide Cover Assembly	A2568	45	-	4000 Fert Box Drive Chain	A2550-04
12	-	4000 Series Seed Lid Assembly (20Run)	A2549	46	9	M6 x 16 Bolt	8208H
13	-	4000 Series End Auger Bush	A2556	47	9	6mm Spring Washer	9021
14	2	4000 Series Central Auger Bush	A2557	48	ო	M6 Nut	9121
15	1	S 15 Flanged Bush	A2352	49	14	Round Cup Angled	A2369
16	1	M6 Grease Nipple Straight	9323	50	20	35mm Crey Clip	A2370
17	1	27T Sprocket Half Inch Pitch 7/8" Bore	A23130	51	9	Round Cup Straight	A2368
18	1	6 x 50 Roll Pin	9262	52	9	M10 x 25 S/S Bolt	8418S
19	2	4000 20Run Trough Removable Panel	A2557-01	53	9	10mm S/S Flat Washer	9039S
20	6	M6 Cross Knob	9122	54	9	10mm S/S Spring Washer	9041S
21	٢	10mm Spacer	A23142-01	55	9	M10 S/S Nut	9141S
22	2	M10 Fender Washer	9037	56	-	13T Sprocket 1/2" Pitch Boss 20ID	A2339-01
23	2	3 x 20 Roll Pin	9267	58	-	2.5 Yellow Panel Decal	D1509
24	2	M8 x 25 Bolt	8305H	59	2	S 206M Flanged Bush	A2355
25	2	8mm Flat Washer	9031	60	2	M10 x 65 Bolt	8417H
26	2	8mm Spring Washer	9030	61	-	4000 Series Lid Stay	A540-15
27	2	M8 Nut	9106	62	e	Buffer Pad	A2375
28	-	M12 x 90 Bolt	8524H	63	-	Decal "SEEDMATIC"	D1510
29	2	12mm Flat Washer	9051	64	-	Decal "4120CT"	D4004
30	٢	M12 Nyloc Nut	9151	65	-	35mm Seed Dropper Hose / Meter	A2384-01
31	-	Fert Leaver Spring	A23146	66	-	1/2" Chain Joiner	ZCH1/2J
32	1	S 179M Plastic Bush	A23142-02	67	۲	1/2" Chain Half Link	ZCH1/2L
33	2	M10 x 25 Bolt	8418H	68	-	6 x 40 Roll Pin	9251
34	4	10 mm Flat Washer	9042	69	2	M10 x 20 Bolt	8419H
35	7	10mm Spring Washer	9041				
			Ļ		1	AITCHISON INDUSTRIES	ES
			Y			EXPLODED VIEW DRAWING	IWING
				Щ.	¥1	PRODUCT: 4000 Series 20Run Fert Box & Drive (Numbers)	20Run Fert Box & Drive (Numbers)
				!	\overline{r}	DATE: 29/04/2013 A255	A2557-ASSY ISSUE B 2/2



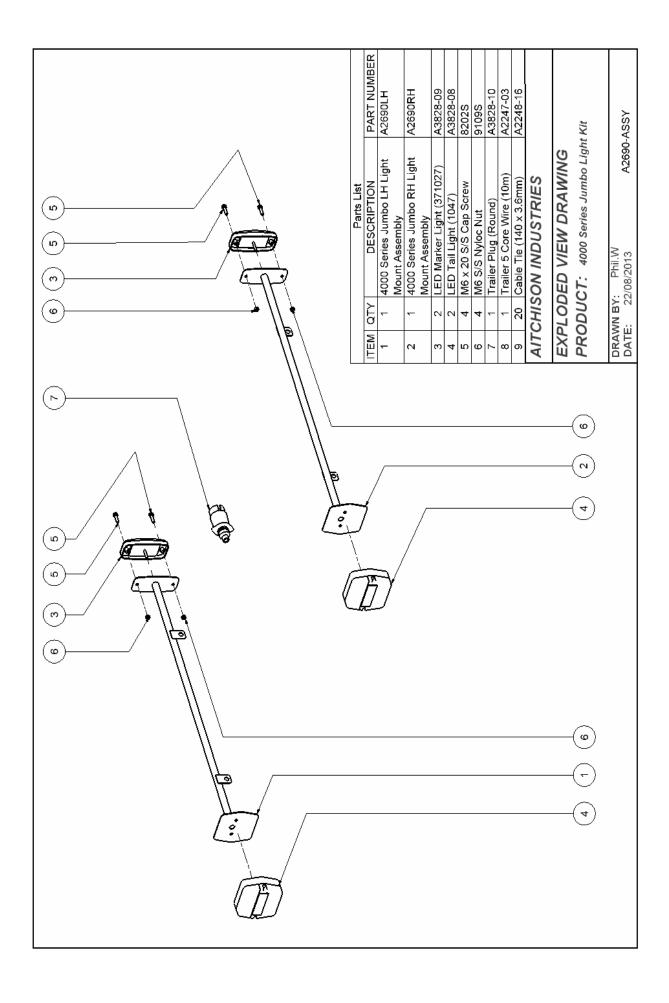
ITEM	QTΥ	DESCRIPTION	PART NUMBER	ITEM	QTY	DESCRIPTION	PART NUMBER
1	٦	20Run Jumbo Box Assembly (4000)	A2663	37	8	M10 Nut	9141
0	20	Sponge Pad & Disc	A2364	38	-	4000 20Run Seed Shaft	A2545-07
e	4	3" x 2" S/S Butt Hinge	A23805	39	-	4000 20Run Agitator Shaft	A2545-06
4	÷	4000 Series Jumbo Lid Assembly (20Run)	A2665	40	9	S 210M Flanged Bush	A2357
5	2	Ezy Lift Gas Stay	A3041-02	41	-	16mm Locking Collar	A2360
9	٢	Seed Shaft Mount	A2337	42	20	Agitator Shart R Clip	A2359
7	٢	13T Sprocket 1/2" Agitator Boss	A28025	43	Ļ	Agitator Boss	A28034-02
œ	÷	20Run Front D-S Calibration Panel Assembly	A2547	44	-	4000 Adjatator Shaft Arm	A2540-12
6	1	20Run Front Non-D-S Calibration Panel Assembly	A2548	45	-	Nylon Tensioner Roller	A2336-04
10	ω	6-8 S/S Rivet	9302	46	-	M12 × 65 Bolt	8507H
11	2	M6 S/S Nyloc Nut	9109S	47	2	M12 Nut	9152
12	4	4000 Series Blank Off Plate Retainer	A2540-01	48	2	12mm Flat Washer	9051
13	-	4000 Series D-End Seed Tray (20Run)	A2545-01	49	-	4000 End Panel Rodent Handle	A2540-11
14	~	4000 Series Non-D-End Seed Tray (20Run)	A2545-02	20	-	M8 × 20 Bolt	8311H
15	÷	4000 Series Rodent Stop Slide (20Run)	A2545-03	51	2	8mm Flat Washer	9031
16	20	Spring - Moore Sponge Pad	A2280-10	52	-	M8 Nyloc Nut	9105
17	24	S 9 Plastic Bush	A2280-11	53	1	Seed Shaft Axle	A2361
18	14	Fert Cup Angled	A2290-13	54	2	S 15 Flanged Bush	A2352
19	24	35mm Crey Clip	A2370	55	-	6 x 40 Roll Pin	9251
20	9	Fert Cup Straight	A2290-12	56	-	M6 Stright Grease Nipple	9323
21	~	4000 Series Rodent Stop Link Wire	A2540-05	57	2	6mm Fender Washer	9022
22	-	4000 Series Rodent Stop Link Arm	A2540-06	28	6	6mm Spring Washer	9021
23	16	M6x20 Bolt	8205H	59	19	M6 Nut	9121
24	5	M6 Nyloc Nut	9109	60	-	Agitator Arm Link	A28008
25	-	4000 Series Rodent Stop Lever Wire	A2540-07	61	ы	Agitator Link Bolt	A2618-04
26	-	35mm Seed Dropper Hose / Meter	A2384-01	62	-	M10 Nyloc Nut	9142
27	2	M8 Half Nut	9103	63	4	Seed Tray Clip	A3040-07
28	ო	Buffer Pad	A2375	64	∞	6mm S/S Fender Washer	9022S
29	ы	2.5M Yellow Panel Decal	D1509	65	4	M6 Cross Knob	9122
30	-	Decal "SEEDMATIC"	D1510	99	4	M6 S/S Nut	9121S
31	٦	Decal "4020J"	D4006	67	4	M6 x 20 S/S Bolt	8205S
32	4	S 206M Flanged Bush	A2355	68	4	M6 x 50 SS Bolt	8210S
33	2	M10 × 65 Bolt	8417H	69	4	Agrispred Spinner Disc Spring	A4619
34	12	10 mm Flat Washer	9042	70	4	M6 × 25 Bolt	8213H
35	10	10mm Spring Washer	9041	71	1	20Run Jumbo Rear Non D-S Inspection Panel	A2662-01
36	ი	M10 × 25 Bolt	8418H	72	-	20Run Jumbo Rear D-S Inspection Panel	A2662-02
		Ļ	Ń			AITCHISON INDUSTRIES	
						EXPLODED VIEW DRAWING	G
						r XOUOVI 4000 20Run Jumbo Box Part Numbers	3ox Part Numbers
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		Parts List				Parts List	
ITEM	QTY	Y DESCRIPTION	PART NUMBER	ITEM	ατγ	DESCRIPTION	PART NUMBER
-	-	Rear Axle Pivot Mount RH Assembly	A2521RH	19	7	M10 Nyloc Nut	9142
2	-	Rear Axle Pivot Mount LH Assembly	A2521LH	20	2	20mm Spring Washer	9076
e	-	Rear Transport Axle Assembly	A2523	21	2	M20 x 60 Bolt	8712H
4	2		A2520-03	22	80	M16 Nut	9161
5	2		A2524	23	ø	16mm Spring Washer	9061
9	4		A2525	24	8	M16 x 55 Bolt	8603H
7	-	Rear Axle Lock Assembly	A2526	25	4	M10 x 30 Bolt	8415H
œ	2	Trojan 5 Stud Hub	TR 082030	26	2	235 -70/R15 Wheel Assembly	A3127-01
ი	-	Rear Tow Hitch Tounge Assembly	A2527	27	-	Rear Axle Tow Eye Link	A2520-02
6	-	Cat 2 Turnbuckle	A23189-01	28	2	Rear Axle Towbar Link Bolt	A5185-05
;-	2	11mm Lynch Pin	9288	29	1	M20 x 150 Bolt	8702
5	4		A3710-53	30	2	Top Link Pin B76	A23189-02
ن	-	Rear Axle Lock Lever	A2520-01	31	-	Hidrolic Hose Pig Tail Pole	A23188-14
4	ო	10 mm Flat Washer	9042	32	1	M6 x 45 Bolt	8203H
15	တ	M6 Grease Nipple Straight	9323	33	1	M6 Nyloc Nut	9109
16	2	M20 × 100 Bolt	8709H	34	2	M10 x 35 Bolt	8402H
17	വ	M20 Nyloc Nut	9122	35	1	4000 Drawbar Assembly	A2528
8	-	M10 x 55 Bolt	8427H	37	1	Trailing Hydraulic Hose Kit	A3127-02
				e		AITCHISON INDUSTRIES EXPLODED VIEW DRAWING PRODUCT: 4000 Series Trailing Kit (Part Numbers)	(Part Numbers)
						DRAWN BY: Phil.W DATE: 24/04/2013 A2520-ASSY	SSY 2/2
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	PART NUMBER	A3107L	A3107R	A2572	A3108	A3110	A2249-05	A2357	9250	9141	8415H	8418H	9042	8419H	9041	A3107-06	A257-04	8412	A2671LH	A2671RH	8616H	9061	9161			idboard Parts	A2672-ASSY
Parts List	DESCRIPTION	8000 Series Safety Rail Clamp LH Assembly	8000 Series Safety Rail Clamp RH Assembly	4000 20Run Treadboard Step Assembly	8000 Series Main Safety Rail Assembly	8000 Series End Safety Rail Assembly	2.6m x 0.5m Tread Board	S 210M Flanged Bush	6 × 30 Roll Pin	M10 Nut	M10 x 30 Bolt	M10 × 25 Bolt	10 mm Flat Washer	M10 × 20 Bolt	10mm Spring Washer	Anti-Slip Tape (Black 50 x 300)	2.6m x 0.5m Tread Board Cap	M10 x 25 Coach Bolt	Linkage LH Treadboard Mount Assemblv	Linkage RH Treadboard Mount	Assembly M16 x 50 Bolt	16mm Spring Washer	M16 Nut	AITCHISON INDUSTRIES	EXPLODED VIEW DRAWING	PRODUCT: 4000 20Run Linkage Treadboard Parts	Phil.VV 09/2013
	QTΥ	-	-	-	-	-	-	2		28	œ	4	14	6	22	2	7	œ	-	~	4			CHIS	PLOD	onao	B
	ITEM	1.1	1.2	1.3	1 4	1.5	1.6	(1.17) 1.7			.16) 1.10	<u> </u>	.14 1.12	1.13		1.15	-	1.17	7	e	4	2	9	AIT	EX	РŖ	DRAWN DATE:



Parts List	ITEM QTY DESCRIPTION PART NUMBER	1 1 4000 Series LH Light Mount A2591LH	Assembly	2 1 4000 Series RH Light Mount A2591RH Assembly	LED Marker Light (371027)	2 LED Tail Light (1047)	1 Trailer Plug (Round)	4 M6 x 20 S/S Cap Screw	4 M6 S/S Nyloc Nut	1 Trailer 5 Core Wire (10m)	9 20 Cable Tie (140 x 3.6mm) A2248-16	AITCHISON INDUSTRIES	EXPLODED VIEW DRAWING	PRODUCT: 4000 Series Light Kit (Seed & Fert Models)	DRAWN BY: Phil.W DATE: 9/08/2013 A2590-ASSY
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		PART NUMBER	A2389	A2389-01	9335	A2389-02	8213H	9021	9121	A2248-16	PART NI MRER	╏	ALL DIMENSIONS IN MM	Kit Parts	ä	A2389A
											MATERIAI	ŀ		Aitchison Hectaremeter Kit Parts	PRAWN: DATE: Phil.W 1/30/2008	
	Parts List	DESCRIPTION	Aonitor	×	S/S	sket				-			USTRIES	ERWISE STATED	20 00-001 2010 00-000 00-00 0000 20 00-00 00 00 00 00 00 00 0000	8 ± 1.0 ± 2.0 ± 3.0
A 2 Magnet pressed		۲	Aitchison Areameter Monitor	Magnet Mounting Block	Hose Clip 11 to 25mm S/S	Sensor Mounting Bracket	M6 x 25 Bolt	6mm Spring Washer	M6 Nut	140 x 3.6 Cable Tie	V PART NAME		AITCHISON INDUSTRIES	TOLERANCE UNLESS OTHERWISE STATED	upter3 upter3 upter30	±0.1 ±0.2 ±0.5 ±0.8
		ITEM QTY	1 1	2 1	3 1	4 1	5 1	6 1	7 1	8 10	ITEM OTV		AITC		NOMINAL DIMENSIONS, MM	TOLERANCE
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