SEED DRILL

OPERATORS MANUAL

(From Serial No.: For DF 0110 To DF 1014, For TD 0110 To TD 1814, For SD 0110 To SD 1314)

Model Number: _____

Serial Number: _____

Davimac Pty Ltd

Contents

INTRODUCTION

Davimac thanks you for purchasing one of our products.

The range of Davimac Seed Drills has been developed to cater for the needs of the progressive farmer. Davimac has drawn on its years of experience in the seeding industry to build a range of planters that have an accurate metering system and precise depth control. With heavy duty frame construction, and a high quality drive system, this ensures a quality built product for the farmer who only wants the best.

It is the responsibility of the user to understand the operation, safety, maintenance and lubrication before operating the Seed Drill. It is the user's responsibility to check and service the machine as specified in this Manual.

This manual will familiarise you with safety, assembly, operation, adjustments, maintenance and troubleshooting aspects of the machine.

By reading this manual, and following the recommendations within it, will help to ensure safe and efficient operation, as well as years of satisfactory use from the machine.

Models Covered in this Manual

- TD Drill
- SD Drill
- DF Drill

Options Covered in this Manual

- Small Seed Box
- Disc Coulters

Description of Unit

The Seed Drill is designed so you have the flexibility to configure the planter to suit your requirements. Features including powder coated large capacity seed and fertilizer boxes which can sow a large range of seeds and fertilizers from both boxes.

The seeding/fertilizer rate can be infinitely varied simply by moving a lever. The boxes also have a clean out plate for easy clean out.

The large space of 450 to 600mm between tool bars improves trash handling ability.

The Seed Drills come in a range of sizes from 10 rows to 28 rows in 125mm (5") or 300mm (12") spacings and can have larger row spacings if required.

High flotation tyres mean more accurate seed placement and less compaction.

Standard Features:

- Heavy duty frame manufactured from 100x100x5 RHS and plate (16mm and 12mm) and powder coated for a long lasting and quality finish.
- The seed box has an extra-large capacity of 165 litres of seed and 165 litres of fertilizer per metre of box and large windows to keep an eye on gain levels. The box is powder coated to prevent rust.
- Heavy duty floatation wheels are fitted as standard and the wheels are mounted on a heavy duty stub axel and swing arm.
- High quality coil tynes as standard with your choice of cast points.

Options:

- Small seed box can be fitted as an option to under sow or to sow at rates below 4kgs (depending on seed).
- Choice of tynes, 1" coil tynes or spring release tynes for better trash clears and better handling of rocks.
- Dual band sowing.
- Press wheels.
- The disc coulters have a large 16" disc, quality bearings with triple lip seals, the coulters also benefit from having Teflon lined pivot bushes to give greater life and to reduce maintenance.

WARRANTY

Davimac Pty Ltd warrants against defects in materials or workmanship for 1 year from date of delivery.

Davimac Pty Ltd reserves the right to inspect and decide whether material or workmanship was the cause of the fault, or whether the fault was as a result of abuse, accident, misuse or improper maintenance or servicing thus voiding warranty.

Warranty service must be undertaken by a dealer or service centre approved by Davimac Pty Ltd. Warranty service will be performed without charge to the purchaser if the warranty claim is valid. If the original purchaser sells or transfers this product to a third party the warranty does not transfer to the third party in any way.

To process a warranty claim first contact the dealer who sold the unit and provide the serial number of your unit and details of the problem you are experiencing. The dealer will then contact Davimac Pty Ltd to get approval to assess your machine and to proceed with any warranted repairs.

Davimac Pty Ltd will provide replacement parts and repairs but does not cover additional costs incurred for travel and transport beyond work at the approved service location. Excluded from warranty are travel, transport and labour costs for repairs or replacement parts when the owner elects for these to occur at a location other than at an approved service location.

Davimac Pty Ltd reserves the right to make product design changes at any time without notice. They shall not be obligated or liable for the replacement of previously sold products that do not match design updates included in latest models.

Note: Davimac Pty Ltd does not warrant faults relating to wheel nut tightness. It is the responsibility of the operator to check and maintain wheel nut torque on a regular basis. (Refer to the Maintenance section of this manual for requirements).

Serial Number

The serial-number is located on the top face of the top front tool bar.

Record your seed drill serial number on the front cover of this manual for quick reference.

Quote this number when ordering spare parts, or when you require service.

SAFETY

Safety is the responsibility of the operator to know how to operate and service the machine.

Thoroughly read and understand the instructions in this manual before operating or servicing the machine. Read all instructions noted on the safety decals.

Below are identified safety points. Identified safety risks can never be considered comprehensive and the operator should always do a safety evaluation of the machine within the operating environment before operating the machine.

General

- Be familiar with all drill functions.
- Operate machinery from the driver's seat only.
- Do not leave drill unattended with tractor engine running.
- Do not dismount a moving tractor.
- Keep hands, feet and clothing away from driven parts.
- Wear snug-fitting clothing to avoid entanglement with moving parts.
- Make sure all persons are clear of working area.
- Do not turn tractor too tightly, causing drill to ride up on wheels. This could cause personal injury or equipment damage.
- Never permit any persons other than the operator to ride on the tractor.
- Never ride on the planter or allow others to ride on the planter.
- Do not allow anyone to stand between the hitch and towing vehicle when backing up to the planter.
- Never work under planter when machine is in the raised position unless the ram safety stops are in.
- Never allow anyone within the immediate area when working.
- Don't operate or do maintenance on the planter unless you are trained to do so.
- Before doing any maintenance do a safety evaluation.
- When maintaining, repairing or storing the seed drill always make sure it is parked on flat level ground, the jack is engaged and the key is removed from the tractor ignition.
- Do not service the hydraulics while there is pressure in the system.

Throughout this manual, important safety information is indicated by these symbols.

A Blue Caution indicates a hazard that may cause damage to property if the caution is ignored.

A Yellow Warning indicates a hazard that could cause injury or death if the warning is ignored.

Protective Equipment

Wear protective clothing and equipment.

- Wear clothing and equipment appropriate for the job.
- Avoid loose-fitting clothing.
- Wear suitable hearing protection such as earmuffs or earplugs.
- Avoid wearing radio headphones while operating machinery.

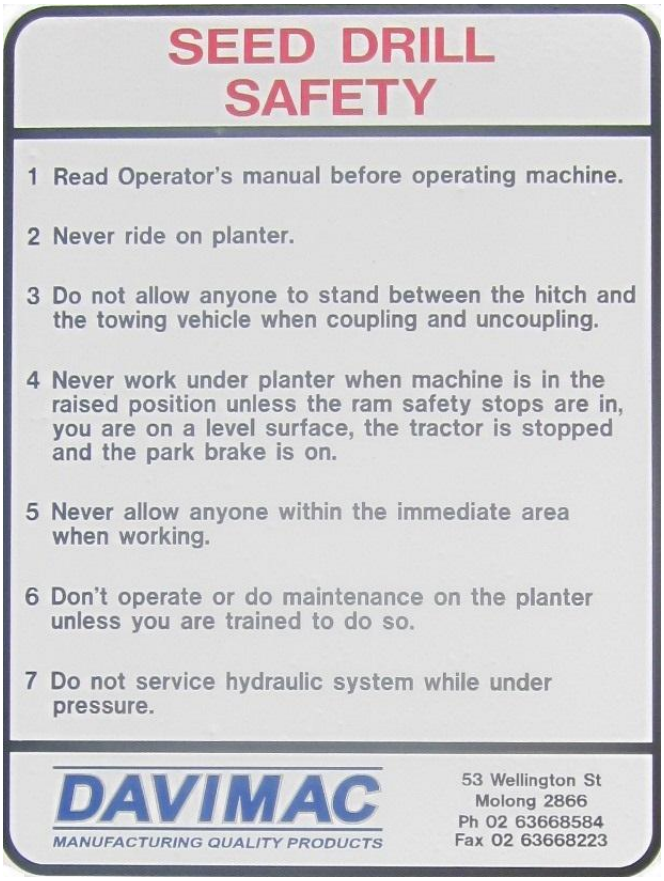
Chemical

Agricultural chemicals can be dangerous. Improper use can seriously injure persons, animals, plants, soil and property.

- Read and follow chemical manufacturer's instructions.
- Always wear protective clothing.
- Handle all chemicals with care.
- Store or dispose of unused chemicals as specified by chemical manufacturer.

Safety Decals

- Read all instructions noted on the decals.
- Keep decals clean.
- Replace damaged, faded and illegible decals.



High Pressure Fluids

Warning - High Pressure Fluid Hazard: Escaping fluid under pressure can have sufficient pressure to penetrate the skin. Check all hydraulic lines and fittings before applying pressure. Fluid escaping from a very small hole can be almost invisible. Use paper or cardboard, and wear heavy gloves to check for suspected leaks. If an accident occurs seek immediate medical assistance.

- Avoid the hazard by relieving pressure before disconnecting hydraulic lines.
- Use a piece of paper or cardboard to check for suspected leaks.
- Wear protective gloves and safety glasses or goggles, and other appropriate safety equipment when working with hydraulic systems.
- If an accident occurs seek medical assistance immediately.

Tyre Safety

Tyre changing can be dangerous and should be performed by trained personnel using correct tools and equipment.

- When inflating tyres, use a clip-on nozzle with an extension hose long enough for you to stand to one side of tyre assembly.
- Never walk away while a tyre is inflating. Stay and ensure the tyre is not over inflated.
- When removing and installing wheels, use wheel-handling equipment adequate for weight involved.

Safe Maintenance

- Understand procedure before doing work. Use proper tools and equipment. Refer to this manual for additional information.
- Always use and wear appropriate personnel safety equipment.
- Work in a clean, dry area.
- Lower the drill, put the tractor in park, turn off engine, and remove key before performing maintenance.
- Make sure all moving parts have stopped and all system pressure is relieved.
- Remove build-up of grease, oil or debris.
- Ensure removal of all tools and unused parts from drill before operation.

Safety Stops

Warning - Crushing Hazard: You may be severely injured or worse by being crushed under the falling implement. Always have transport locks in place and frame sufficiently blocked up when working on or under implement.

The safety stops are included in the toolbox. They are installed by raising the machine and placing stop over the rod and then inserting safety bolts on both cylinders (eg each side).

SETUP

Tractor Requirements

Check that tractor compatibility and power are sufficient for the seed drill and that it has one remote hydraulic outlet at 2300psi. If the unit has the option of coulter discs an additional outlet is required also at 2300psi.

If sowing at depths of 75mm (3") you will require 3-4 hp (2.2-3 kW) per tyne.

If sowing at depths of 75-125mm (3-5") you will require 5-6 hp (3.7-4.5 kW) per tyne.

Depending on your ground conditions you may require more or less power.

Note the seed drill loaded weights for each model are listed in the specifications section of this document.

Hitching Tractor to Drill

Warning – Crushing Hazard: When hooking planter to the towing vehicle the operator has the reasonability of safety for other persons in the area. Persons should not stand in between tractor and planter. Stop tractor engine and set park brake before installing the hitch pin.

1. Make sure the tractor and seed drill are on level ground.
2. With drill tongue level, adjust drill hitch on drill tongue to match your tractor-drawbar height.
3. When drill hitch matches tractor-drawbar height, hitch drill to tractor. Insert draw bar pin and secure with safety pin.
4. Securely attach drill safety chain to an anchor on tractor capable of pulling drill.
5. Connect hydraulic hose(s).

Warning - High Pressure Fluid Hazard: Escaping fluid under pressure can have sufficient pressure to penetrate the skin. Check all hydraulic lines and fittings before applying pressure. Fluid escaping from a very small hole can be almost invisible. Use paper or cardboard, and wear heavy gloves to check for suspected leaks. If an accident occurs, seek immediate medical assistance.

6. Raise jack.

Rephasing Cylinders

The lift cylinders may, after a period of time, get out of time or phase. The effects of this can be seen when one side of the drill is running too low or too high because its lift cylinder is either over extended or not retracted compared to the other lift cylinder.

To rephase the cylinders, raise drill completely and hold tractor hydraulic lever on for a few seconds to give cylinders time to rephase.

Note: Understand that having cylinders become gradually out of time is different than having air trapped in the system from improper bleeding. Each condition is corrected differently.

Caution: When towing e safety chain is attached.

Caution: When towing on public roads check that you comply with all road rules.

Caution: When towing do not exceed 25km/h.

Transporting

1. Raise the drill into the transport position and hold at the full extent of the rams for 5-10 seconds to allow cylinders to rephase and equalise.
2. Important - To avoid machine damage due to drill lowering during transport, always insert ram safety stops.
3. Locate jack stand in transport position.
4. Maximum towing speed 25 km/h.
5. Ensure towing vehicle requirements are adequate for the seed drill load e.g. mass / brakes etc. (Refer specification section of this document for seed drill weights).
6. Braking when towing can cause the load to jack knife. Use extra care when towing in adverse conditions such as mud, inclines and sharp bends.
7. Lower towing speeds are recommended on farm roads/tracks and where one wheel is on or over a road verge.
8. Attach safety chains to tractor.
9. Important - Before commencing towing on the road check that you comply with all local road rules.

Pre Start Checklist

1. Check wheel nuts are tight.
2. Check tyre pressure is as specified within this manual.
3. Check for oil leaks.
4. Check that no foreign objects are in the seed drill.
5. Check the frame for cracks or damage.
6. Ensure all guards are in place and in good working condition.

CALIBRATION

Caution: This seed drill is fitted with a shear pin on both the seed and fertilizer drive on the box to protect the gear boxes. If it is sheared replace with approved pin only!!

We have supplied a calibration charts but these are only a guide as grain and fertilizer size and weight can vary.

Handy Hint – To calibrate the main seed box and the fertiliser box at the same time place the seed at one and then the fertiliser at the opposite end to prevent cross contamination.

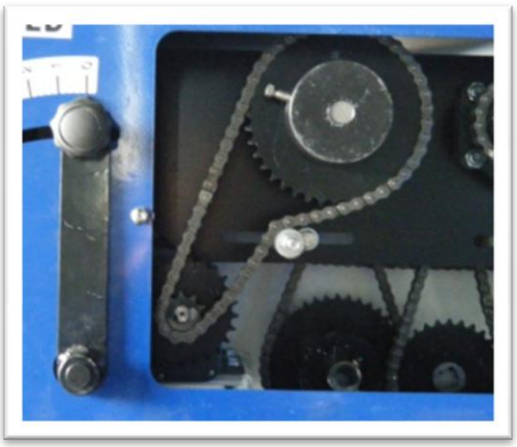
Acre meter setup

Refer to the separate operation manual for specific details on installation, calibration, operation and servicing of the acre metre device. You will need the wheel circumference and the sowing width.

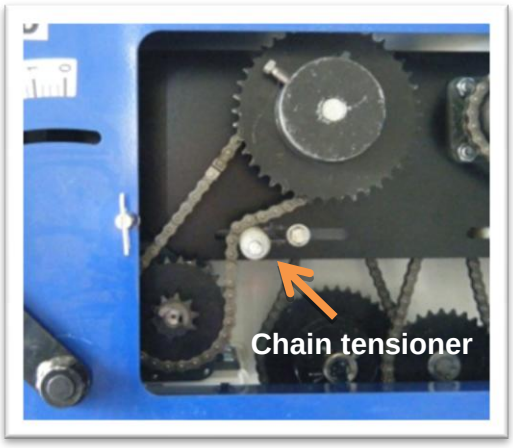
Wheel circumference: 1.176m.

Seed drill sowing width is the number of rows times the rows spacing. Note your model number on the front cover of this manual tells you this information. Eg TD-16-250 is a TD unit and has 16 rows at 250mm spacing. So the sowing width is 16 x 250 = 4000mm. Alternatively sowing widths are listed for each model in the specification section of this document.

Adjusting the Seed Box Gearing



Low Gear Set-up



High Gear Set-up

To adjust:

1. Loosen the chain tensioner.
2. Place chain in either the low or high gear position as shown in the above pictures.
3. Reposition and tighten the chain tensioner.

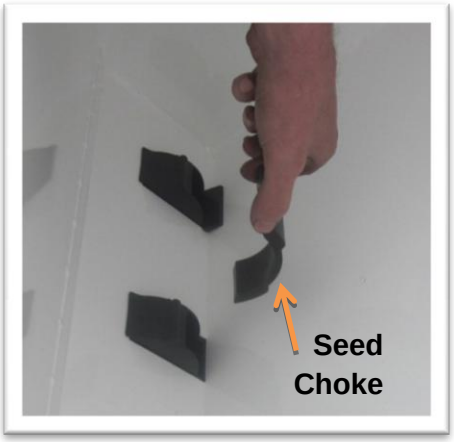
Calibration of Main Seed Box

- Ensure you have accurate weighing scales.
- If sowing seeds larger than wheat or oats remove seed chokes
- If sowing wheat or oats or seeds smaller insert seed chokes

To calibrate:

1. Check the calibration charts and set gears to high or low as shown in previous item.
2. As per calibration charts set the calibration lever to the suggested setting.

3. Note when using grains larger than wheat or oats remove seed chokes, otherwise ensure they are in place.
4. Cover 4 rows in the seed box (front box) with enough grain to cover the feed rollers.
5. Place containers under the down tubes that have the grain covering them.
6. Turn the idler wheel (the wheel that runs on top of the ground wheel) using the calibration handle, which should be stored in the toolbox, in a clock wise direction the number of turns as listed for your model in the below table.
7. Weigh the grain in grams and times that amount by the number listed in the below table for you model. This gives you the rate as kg/Ha.
8. If calibration is wrong adjust the calibration lever and redo steps 4 to 7.



Idler wheel with calibration handle fitted

Table 1 - Main Seed Box - Handle Turns & Factor for Kg/Ha

Rows	Row Spacing	Sowing Width	Turns of Handle per 1/40th of a Ha	Number to times grams by from 4 rows to give Kg/Ha
16	175	2.8m	75	0.16
16	250	4.0m	53	0.16
19	175	3.32m	64	0.19
20	150	3.0m	70	0.2
20	175	3.5m	62	0.2
20	250	5.0m	43	0.2
22	175	3.85m	55	0.22
24	125	3.0m	70	0.24
24	150	3.6m	60	0.24
24	175	4.2m	50	0.24
28	125	3.5m	60	0.28
28	175	4.9m	43	0.28

Calibration of Fertilizer Box

To calibrate:

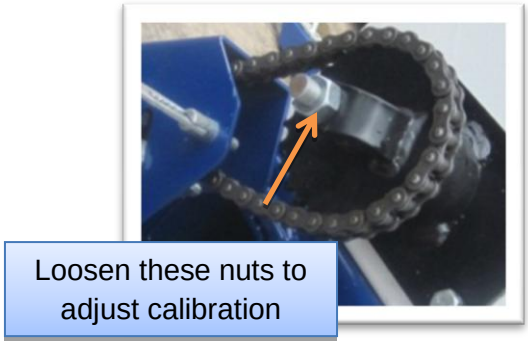
1. Check the calibration charts and set the calibration lever to the suggested setting.
2. Cover 4 rows in the fertiliser box (back box) with enough fertiliser to cover the feed rollers.
3. Place containers under the down tubes that have the fertiliser covering them. (Note by using a different section than the grain you can calibrate grain and fertiliser at the same time without cross contamination.
4. Turn the idler wheel (the wheel that runs on top of the ground wheel) using the calibration handle in a clock wise direction the number of turns as listed for your model in the above table.
5. Weigh the fertiliser in grams and times that amount by the number listed in the above table for you model. This gives you the rate as kg/Ha.
6. If calibration is wrong adjust the calibration lever and redo steps 2 to 5.

Calibration of Small Seed Box (if Fitted)

Caution: Only put small seeds in this box. (Wheat and oat are too large). Large seeds will be damaged and will cause premature wear of your machine.

To calibrate:

1. Check the calibration charts and set gears to high or low as shown in following item.
2. As per calibration charts set to the suggested calibration setting. This is done by loosening the nuts at the end of the calibration shaft and then moving the shaft so the washer aligns with the required setting.



3. Cover 4 the rows in the seed box with enough grain to cover the feed rollers.
4. Place containers under the tubes.
5. Make sure the clutch is engaged.
6. Turn the idler wheel (the wheel that runs on top of the ground wheel) using the calibration handle, which should be stored in the toolbox, in a clock wise direction the number of turns as listed for your model in the table which can be found in the main seed box calibration section.
7. Weigh the grain in grams and times that amount by the number listed in the same table as the previous step for you model. This gives you the rate as kg/Ha.
8. If calibration is wrong adjust the calibration lever and redo steps 4 to 7.

Adjusting the Small Seed Box Gearing

Small Seed Box Low Gear Setup

Small Seed Box High Gear Setting

To adjust:

1. Loosen the chain tensioner.
2. Place chain in either the low or high gear position as shown in the above pictures.
3. Reposition and tighten the chain tensioner.

SEED CALIBRATION CHART

Gear Setting		LOW GEARING								
Suggested Setting		1	2	3	4	5	6	7	8	9
Seed Choke In		Kg per Hectare of Seed								
Red clover	Y	3.6	7	11	16	23	27	36	46	60
Lucerne	Y	3.2	6	10	15	20	26	32	42	53
Sub clover	Y	2.4	5	7	11	14	21	24	32	40
Canola	Y	2	3.5	5	8	12	16	20	26	33
Phalaris	Y	2	3.5	5	8	12	16	20	26	33
Ryegrass	Y	1.5	3	4	6	8	10	13	17	21

Gear Setting		HIGH GEARING								
Suggested Setting		1	2	3	4	5	6	7	8	9
Seed Choke In		Kg per Hectare of Seed								
Wheat	Y	10	36	42	60	80	110	140	170	200
Barley	Y	9	17	30	43	65	90	110	140	160
Oats	Y	6	12	21	30	45	62	78	95	110

FERTLISER CALIBRATION CHART

Suggested Setting		1	2	3	4	5	6	7	8	9
Seed Choke In		Kg per Hectare of Fertiliser								
Urea	Y	10	22	35	50	70	90	110	125	140
DAP / MAP	Y	10	26	40	55	80	100	125	140	160
Single Super	Y	20	40	60	85	125	155	195	220	250

SMALL SEED CALIBRATION CHARTS

Gear Setting	LOW GEARING				
Suggested Setting	**2**	**4**	**6**	**8**	**9**
Kg per Hectare of Seed					
Red clover	1.6	3.5	5.5	7.5	8.5
Lucerne	1.3	3	4.5	6.5	8
Sub clover	1.2	2.8	4.5	6	7
Canola	1	2.2	3.7	5	6
Phalaris	1	2.5	3.7	5	5.7
Ryegrass	0.6	1.2	2	2.7	3

Gear Setting	HIGH GEARING				
Suggested Setting	**2**	**4**	**6**	**8**	**9**
Kg per Hectare of Seed					
Red clover	6.5	13.5	21	27.5	31
Lucerne	5	11	18	24	30
Sub clover	4.5	10.5	17	23.5	27
Canola	3.5	8.5	13.5	19	23
Phalaris	3.8	9.6	14.5	19	21
Ryegrass	2.2	4.7	7.5	10	115

FIELD OPERATION

Warning: Ensure that the paddock is clear of obstacles that may be damage or cause damage to the seed drill or operator.

If using the small seed box (where fitted) ensure the clutch is engaged!

Leveling the Drill

1. Use hitch turnbuckle to level drill.
2. Lower unit to take weight off of drill. Do not adjust with unit in raised position.
3. Loosen jam nuts on hitch turnbuckle.
4. Turn turnbuckle to shorten or lengthen until top of drill frame is parallel to the ground being careful not to extend clevises beyond turnbuckle.
5. Retighten jam nuts on turnbuckle.

Sowing Speed

Typical travel speeds when sowing range from 6-12 km/h in good conditions. In stoney and uneven ground conditions a lower speed is recommended to minimise rapid part deterioration.

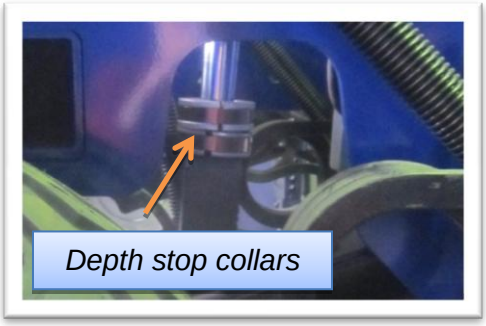
Sowing too fast can result in:

1. Poor contour following and uneven sowing depth.
2. Impact damage to:
    a. Ground engaging components.
    b. Bearings, housings & axles.
    c. Fasteners & structural components.
3. More extreme conditions will result in greater vibration & uneven seed flow at low seeding rates.

Sowing Depth

To adjust the sowing depth place depth stop collars on the drive side hydraulic only.

Caution: Only fit depth stop collars to drive side of the unit.



Disc Coulters (if fitted)

Disc coulters our designed to cut the trash in front of each tine to let you sow into heavier trash.

The disc coulters should be lifted up or removed if they are not required to save on maintenance

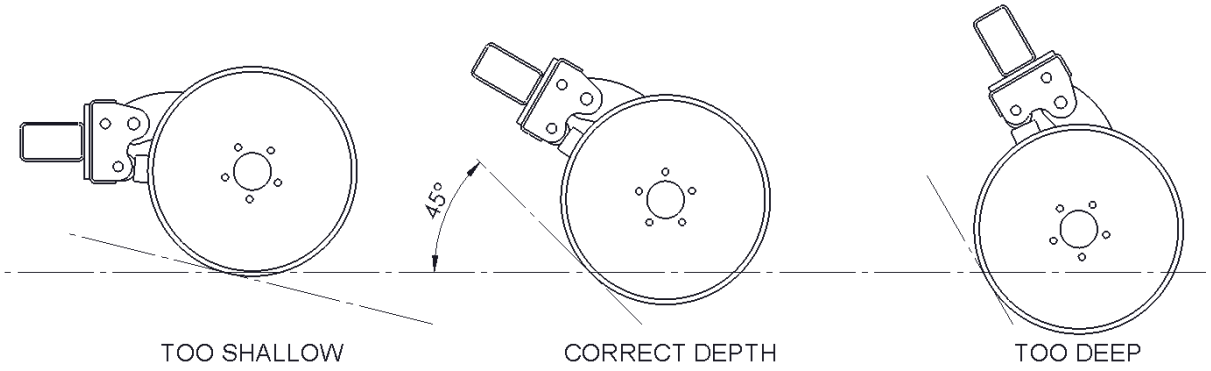
Caution: Do not turn with disc coulter in the ground as they will drag sideways causing damage and premature wear!

Adjustment

The disc coulters need to be set at the correct depth so that they work successfully

- Too shallow and the discs will roll over the trash
- Too deep and the trash will build up in front of the discs
- If the soil is dry the discs will have trouble penetrating the soil.

As a general guide, the wheel depth should be such, that a 'tangent' line off the coulter wheel should be approx. 45° to ground level.



MAINTENANCE AND LUBRICATION

Maintenance

Proper servicing and maintenance is the key to long implement life. With careful and systematic inspection, you can avoid costly maintenance, downtime and repair. Always turn off and remove the tractor key before making any adjustments or performing any maintenance.

Warning - Crushing Hazard: You may be severely injured or worse by being crushed under the falling implement. Always have transport locks in place and frame sufficiently blocked up when working on or under implement.

Warning - High Pressure Fluid Hazard: Escaping fluid under pressure can have sufficient pressure to penetrate the skin. Check all hydraulic lines and fittings before applying pressure. Fluid escaping from a very small hole can be almost invisible. If an accident occurs, seek immediate medical assistance from a physician familiar with this type of injury.

1. After using the drill for several hours, check all bolts to be sure they are tight.
2. Lubricate areas listed under “Lubrication”.
3. Adjust idlers to remove excess slack from chains. Clean and use chain lube on roller chains as required.
4. Check tyre inflation as specified in “Tyre Inflation Chart”.
5. Clean out seed from feed cups.
6. Replace any worn, damaged or illegible safety decals.

Safety Stops

The safety stops are included in the toolbox. They are installed by raising the machine and placing stop over the rod and then inserting safety bolts on both cylinders (eg each side).

Lubrication

Area	Weekly	Pre-Season
Grease drive line bearings	✓	
Oil/Grease all chains	✓	
Grease Axle pivot		✓
Grease shear clutches	✓	
Oil Chains	✓	

Bolts and Hardware

Check wheel nuts every day for the first 3 days and weekly after that. Note: Davimac Pty Ltd does not warrant faults relating to wheel nut tightness. It is the responsibility of the operator to check and maintain wheel nut torque on a regular basis.

Check all bolts and hardware after the first 50 hours of use. All fasteners should be checked and retightened as required during an annual service.

Caution: Use only metric tools on metric bolts to avoid damage to bolt heads and to prevent tools slipping and causing injury.

Torque Chart

Bolt Dia	Class 4.6		Class 8.8 		Class 10.9 	
	Nm	ft-lbs	Nm	ft-lbs	Nm	ft-lbs
8	8	6	22	16	32	24
10	17	13	44	32	63	46
12	30	22	77	57	109	80
14	51	38	133	98	189	139
16	73	54	190	140	270	199
18	108	80	281	207	399	294
20	143	105	372	274	528	389
24	248	183	640	472	914	674
30	491	362	1314	969	1817	1340

Bolts should only be replaced with higher grade bolts. If replaced by a higher grade bolt then the original bolt torque should be applied.

Tyre Inflation Chart

Tyre Size	psi	kPa
380/85 - R 24	20	138
500/60-22.5	20	138
400/60 - 15.5 14ply	20	138
10/75 - 15.3	40	276

Caution: Tyre pressure should be checked weekly

Disc Coulter Maintenance

Proper servicing and maintenance is the key to long implement life. With careful and systematic inspection, you can avoid costly maintenance, downtime and repair.

Always turn off and remove the tractor key before making any adjustments or performing any maintenance.

- The bearing should be check each time the discs are changed and replaced if necessary
- The pivot and hinge bush should be checked each time the discs are changed

Storage

Warning – Make sure the seed drill is stored on level ground, with the key removed from the tractor and all drives disengaged.

The seed drill should be stored under cover when not in use for longer life.

1. Unload seed and fertiliser boxes.
2. Thoroughly clean seed, fertiliser and seed-treatment residue from boxes and feed cups.
3. Remove any dirt and debris that can hold moisture and cause corrosion.
4. Lubricate and adjust all roller chains.
5. Inspect drill for worn or damaged parts. Make repairs and service during the off season.
6. Use spray paint to cover scratches, chips and worn areas on the drill to protect the metal.
7. Cover with a tarp if stored outside.
8. Spray a light spray of diesel or a rust preventative silicone spray on the inside of the boxes to prevent corrosion.

SPECIFICATIONS AND CAPACITIES

Davimac DF Drill

Davimac DF Drill				
	20 Row 150mm spacing's	24 Row 125mm spacing's	24 Row 150mm spacing's	28 Row 125mm spacing's
Sowing Width	3000mm	3000mm	3600mm	3500mm
Overall Width	3050mm	3050mm	3550mm	3550mm
Overall Height (Tynes on the ground)	2070mm			
Box Capacity	Seed 500L Fertiliser 500L	Seed 500L Fertiliser 500L	Seed 615L Fertiliser 615L	Seed 615L Fertiliser 615L
Wheels	Heavy Duty Implement Tyres 10/75-15.3			
Number of Tool Bars	4 Tool Bars at 475mm Spacing's			
Power Requirement	3 to 4 hp (2.3 to 3 kW)			
Tynes	High Quality 25mm Coil Tynes			
Under Tyne Clearance	275mm from the tip of the point to the ground when lifted			
Grain bin height from ground	2070mm (Tynes on the ground)			
Under frame clearance	275mm from the ground to tip of point			
Small Seed Box Capacity	90L	90L	112L	112L
Coulters (optional)	16" disc coulter individually sprang, with triple lip seals in hubs			
Acre metre	The acre metre is a Farm Scan Monitor			
Weight Including Discs	1948kg	2064kg	2325kg	2457kg
Loaded Weight (Wheat)	2750kg	2865kg	3310kg	3440kg

Davimac SD Drill

Davimac SD Drill			
	16 row 175mm spacing's	19 row 175mm spacing's	22 row 175mm spacing's
Sowing Width	2800mm	3325mm	3850mm
Overall Width	3350mm	3875mm	4600mm
Overall Height (Tynes on the ground)	2040mm with coil tynes 2140mm with spring release tynes		
Box Capacity	Seed 400L Fertiliser 400L	Seed 485L Fertiliser 485L	Seed 575L Fertiliser 575L
Wheels	400/60 - 15.5 14ply		
Number of Tool Bars	3 bars at 575mm spacing's		
Power Requirement	4-5hp (3-4Kw) per tyne		
Tynes	High Quality 25mm spring coil tynes as standard		
	Optional spring release tynes		
Under Tyne Clearance	250mm from the ground to tip of point		
Grain bin height from ground	1750 with coil tynes, 1850 with spring release tynes		
Under frame clearance	600mm when fitted with 25mm coil tynes (700mm with spring release).		
Small Seed Box Capacity	90	110	130
Coulters (optional)	16" disc coulter individually sprang, with triple lip seals in hubs		
Acre metre	The acre metre is a Farm Scan Monitor		
Weight Including Discs	1575kg	1860kg	2105kg
Loaded Weight (Wheat)	2215kg	2636kg	3025kg

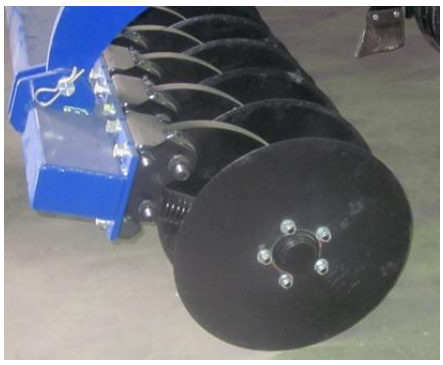
Davimac TD Drill

Davimac TD Drill					
	20 row 175mm spacing's	24 row 175mm spacing's	28 row 175mm spacing's	16 row 250mm spacing's	20 row 250mm spacing's
Sowing Width	3500mm	4200mm	4900mm	4000mm	5000mm
Overall Width	4250mm	4950mm	5650mm	4600mm	5600mm
Overall Height (Tynes on the ground)	2450mm				
Box Capacity	Seed 650L Fertiliser 650L	Seed 785L Fertiliser 785L	Seed 930L Fertiliser 930L	Seed 715L Fertiliser 715L	Seed 920L Fertiliser 920L
Wheels	380/85 R 24 Tyres		500/60-22.5	380/85 R 24 Tyres	500/60-22.5
Number of Tool Bars	4 bars at 550mm spacing's				
Power Requirement	4-5hp (3-4Kw) per tyne. (if direct drilling deeper than 75mm allow 6-7hp)				
Under Tyne Clearance	300mm from the ground to tip of point				
Under frame clearance	700mm from tip of tyne to underside of the frame				
Grain bin height from ground	2450mm				
Tynes	400 pound spring release tynes.				
	Optional 600 pound spring release tynes.				
Acre metre	The acre metre is a Farm Scan Monitor				
Small Seed Box Capacity	115L	145L	170L	130L	170L
Weight	2740kg	3080kg	4200kg	2760kg	3820kg
Loaded Weight (Wheat)	3780kg	4336kg	5688kg	3904kg	5292kg

TROUBLESHOOTING

Problem	Possible Cause	Possible Solution
Grain not flowing into the feed rollers	Grain is unclean or has rubbish or stubble.	Get grain cleaned.
	Grain is a non-flowing grain (eg Buffel grass etc)	Either mix with a denser material or coat the seed.
Drive not turning over	Fertiliser has set.	Check shear pins.
Mud building up in feed tubes.	Sticky clay soils.	Use mud shields.

AFTER SALES OPTIONS

Description		Part Number
Harrows		
Rear Tow Hitch		
Disc Coulters		
Small Seed Box		
Press Wheels		
Rubber Roller		
Mud Shields		

SPARE PARTS

For spare parts refer to the separate spare parts manual which can be supplied through your dealer.