DOUBLE YOUR SPREADER WARRANTY TO TWO YEARS

By going online to: rataindustries.co.nz/register-product



Rata Industries Group Ltd
PO Box 2032
Washdyke
Timaru 7941

ACQUISITION AND WARRANTY

On delivery of the spreader carefully check for transit damage and report any defects immediately. Please complete the following form and send to the address detailed on this page. The commencement of warranty is based on the purchase date of your machine provided this page is received at Rata Industries within 14 days of the purchase date. Warranty claims will only be processed upon receipt of proof of purchase and return of this warranty registration form within 14 days of purchase.

MODEL	**SPREADMAX TT750**
SERIAL NUMBER	
OWNER	NAME
	ADDRESS
	EMAIL
	PHONE
PURCHASE DATE	
DEALER	COMPANY NAME
	SIGNATURE
I, the new owner of the above product, accept the above details are correct and that I have received sufficient training to operate the machine safely and correctly **OWNER SIGNATURE**	

☐ Lifestyle Block ☐ Dairy Farm ☐ Drystock ☐ Orchard/Vineyard

How did you hear of Vogal? _____

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CHECKLIST FOR VOGAL WHOLEGOODS

Model **Spreadmax TT750** **Serial Number** ☐

Pre dispatch Manufacturer		Pre Delivery Dealer
☐	All Bolts Tight	☐
☐	Drive Engagement Greased & Aligned Correctly	☐
☐	Oil Level Correct In Gear Box(s)	☐
☐	Operators Manual Attached to Machine	☐
☐	Checked and Test Run	☐
☐	Alignment of Agitator is Correct Spinner Disc Spins Freely	☐

Signed off by: _____ Signed off by: _____

Vogal Dispatcher *Date* *Dealer Dispatcher* *Date*

Installation Check

Acquisition Warranty (p.t.o) completed and returned to Vogal ☐

Drive Shaft Correct Length for Tractor ☐

PTO Speed Correct for Machine ☐

Signed off by: _____

Dealer Deliverer *Date*

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SPREADMAX TT750

Operation Maintenance & Parts Manual



Rata Industries Group Ltd
Ferrier Rd
Winchester
South Island
New Zealand

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DEAR CUSTOMER

Rata Industries would like to take this opportunity to welcome you as the new owner of a Vogal Spreader. We want your spreader to be the most efficient and reliable piece of equipment you have. This manual has been produced to assist in the correct operation, maintenance and care of your machine.

The safe operation and maintenance of your spreader is very important to prevent any personal injury and/or damage. Read and fully understand the following instructions before using your machine or carrying out any maintenance.

WARRANTY

Rata Industries warrants new products sold by it, to be free from defects in material and workmanship for a period of 12 months after the date of purchase to the initial user. This warranty is for the replacement or repair of any part found to be defective during the warranty period. This warranty only applies to new Vogal products.

If the product is purchased for commercial use or hire gain, then the warranty is reduced to three months. Should the product fail as a result of a fault in material or sub-standard workmanship by the manufacturer within the warranty period then Rata Industries will agree to repair this product subject to the conditions of this warranty.

This warranty excludes any transport costs or damage and excludes all normal maintenance costs.
Rata Industries will not pay for mileage, freight, courier costs, oil, grease or any other expendable materials. As the use of the Vogal product is outside our control, Rata Industries accepts no liability for lost earnings or down time directly or indirectly caused by the machines performance.

Replacement parts provided under the terms of this warranty are covered for the remainder of the warranty period applicable to the product in which they were installed as if such parts were original components of that product.

No warranty work is to be started without first getting approval and following the correct warranty procedures as set out by Rata Industries. Rata Industries will not under any circumstances pay for or repair any damage caused by misuse or neglect of any machine.

All warranty issues and claims are totally at the discretion of Rata Industries.
Warranty Exclusions: loose bolts and screws including worn holes for the same, belts, tyres, blades, PTO shafts, disc bearings and hydraulic hoses, these parts are generally not covered by this warranty.

DELIVERY

The machine is delivered fully assembled, however, before use carefully check the entire machine for transit damage and report any problems immediately.

Rata Industries thanks you for buying our product.
We are sure you will be impressed!

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GENERAL

The spreadmax TT750 can be used for a wide variety of fertilisers, seed causemag or most commonly urea, plus othe similar products.
The extra wide wheel base and strong frame design of the Spreadmax ensure safety and stability when towed behind four wheeled ATV's.

CAPACITY AND DIMENSIONS

Model	Hopper Capacity (Litres)	Max Load Capacity (Kg)	Wheel Size	Gearbox Oil Type	Gearbox Oil Capacity (Litres)	Max Road Speed with Spinner UNENGAGED	Overall Width of Machine	Loading Height
Spreadmax TT750	700	825	20x10x8	EP 90	0.3	30kpH	1990	1500

SAFETY INSTRUCTIONS

WARNINGS AND CAUTIONS

1. Throughout this manual the word WARNING is used to alert the operator and others to the risk of personal injury during the operation of the equipment. CAUTION indicates the possibility of damage to the machine.

2. Carefully read and take note of the following warnings before attempting to tow or operate the spreader.

Warning: Ensure the spreader tow hitch is in good repair and suitable for towing.

Warning: Check that all moving parts are in good repair and that all the fasteners are correctly tightened.

Warning: Never allow any person to ride on the spreader.

Warning: Never tow the spreader with the spinner drive engaged at a speed greater than 20kpH. **NOTE** Maximum towing speed with the drive DISENGAGED is 30kpH.

Warning: Do not exceed the maximum weight/capacity specified by the manufacturer of the towing vehicle.

Warning: Foreign objects can cause extensive damage to the machine and result in injury to the operator. Make sure that the contents of the hopper are clean and free of debris and foreign objects before use.

Warning: Before using the spreader the operator should ensure that this manual is read and fully understood.

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PRE – START CHECKS

1. Ensure that the towball on the vehicle is compatible with the spreader. The spreader is designed to accept a 1-7/8" diameter towball.

2. Check the operation of all controls (A).

3. Ensure the ride height is correctly set for the ATV towing the spreader (B).

4. Ensure tyres are inflated evenly and slippage cannot occur between tyres and drive axle. (C) 10psi minimum to 25psi maximum dependant on load size. Check the condition of the tyres. Look for signs of wear, cuts and impact damage.

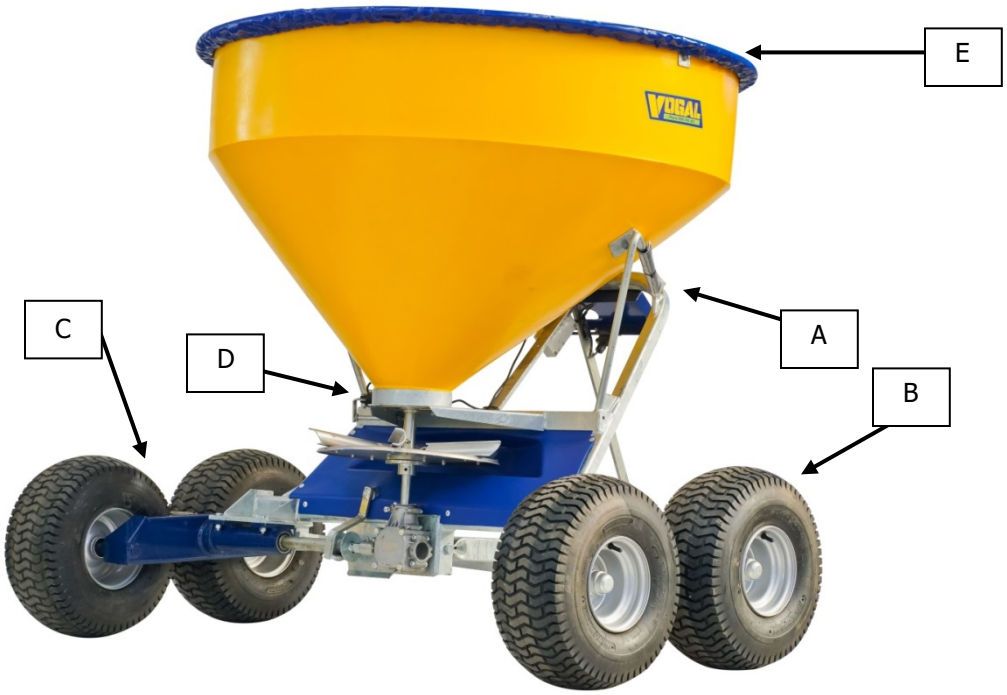
5. Check the free operation for the lower shutter (D)

6. Check the condition of the hopper cover (E)

7. Check that all grease points have been greased.

8. Check the gearbox for oil leaks, if an oil leak is evident do not use the spreader and carry out repairs immediately.

9. Check that the agitator is movable, free from debris and well greased.



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CALIBRATION

To precisely calibrate the spreader carefully read and perform the following instructions.

1. Place a measured amount of fertliser in the hopper e.g. 10kg (A).

2. Choose an aperture setting to suit the rate required for the type of fertiliser being used, e.g. Setting 6 (B).

3. Obtain the desired travel speed (12 to 15kpH) and open the aperture to preset setting 6 e.g. 200 metres (C).
   NOTE Maintain a constant speed and coverage width, e.g. 8 metres (D).

4. Check the effective spread coverage width, e.g. 8 metres (D).

5. Measure the amount of fertiliser left in the hopper, e.g. 4kg (E).

6. Then perform the following calculations:-

Measured amount of fertiliser initially loaded in hopper (A)	10kg
Deduct any remaining fertiliser (E)	4kg
Balance Used	6kg
Multiply width of spread (D)	8 metres
By the metres travelled (C)	x 200 metres
	= 1,600sq. Metres
Divide 10,000 by the answer (1,600)	10,000 / 1,600 = 6.30
Multiply the sum (6.30) by the test quantity used (B)	6kg(B) x 6.30 = 37.80kg

   The figure achieved is the sowing rate per hectare at the constant speed selected for the test.

7. Due to the variations of seeds and fertiliser types, it is recommended the test be carried out for each product being used

8. Record all results to ensure accurate speed rates for future reference and minimal wastage.

CALIBRATION SETTINGS

Calibrated at a speed of 20kph (kg/ha)

Setting	1	2	3	4	5	6	7	8
Urea	-	3	12	24	34	52	69	77
Super	-	-	-	11	25	43	62	100
DAP	-	-	4	16	36	60	76	106

Calibrated at a speed of 15kph (kg/ha)

Setting	1	2	3	4	5	6	7	8
Urea	-	5	16	32	46	70	92	103
Super	-	-	-	15	34	57	82	131
DAP	-	-	5	21	47	81	101	142

Note: These calibrations are a guide only and should be checked to confirm accuracy.

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MAINTENANCE

1. Maintenance should be undertaken regularly, good maintenance extends the life of the spreader.

2. Check the wheel bearings for play and pack with grease every six months.

3. Open the aperture and clean around the aperture blades and holes.

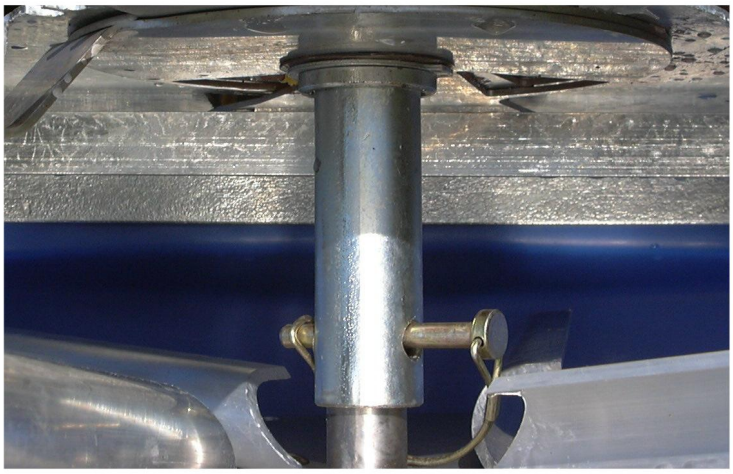
4. Periodically remove the agitator by removing the retaining pin located under the hopper.

5. Lift the agitator clear of the shaft and remove any residue, then grease and replace the agitator. Ensure the retaining pin is refitted and held in place by the spring clip.

6. Check the condition of the engagement mechanism and grease daily. Use the following procedure, firstly engage the drive, and then pump grease into the nipple.

7. Check the oil level in the gearbox. To check turn the spreader on its side, remove the filler plug located in the base, check that the oil is level with the rim of the hole, top up if necessary.

8. Change the gearbox oil (EP 90) every six months with normal use, or every three months under extreme conditions. The quantity of oil required is 300ml.



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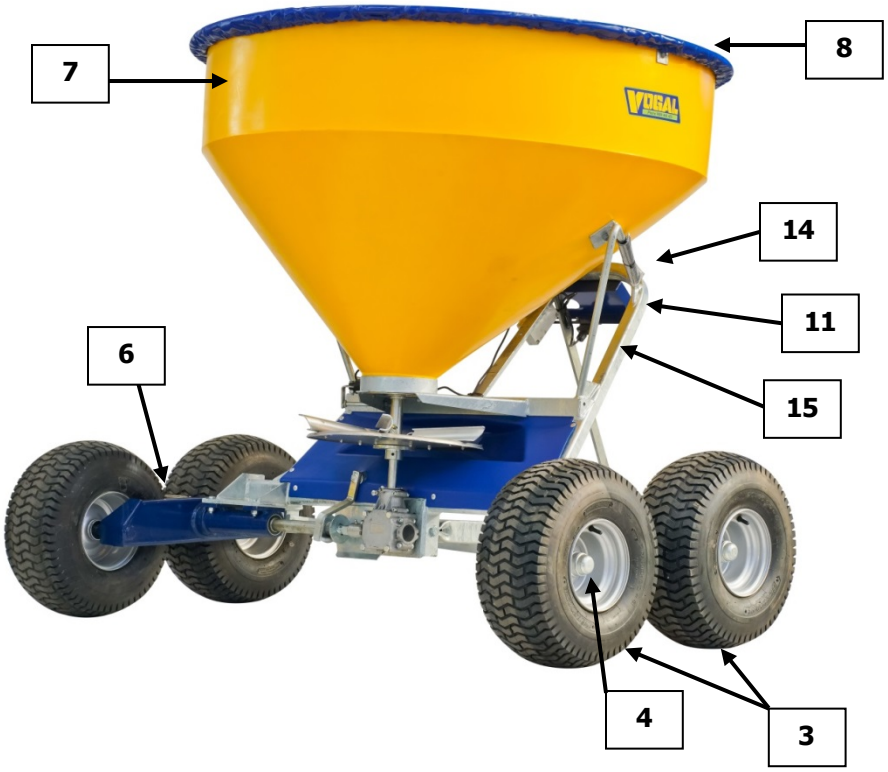
REPLACEMENT PARTS

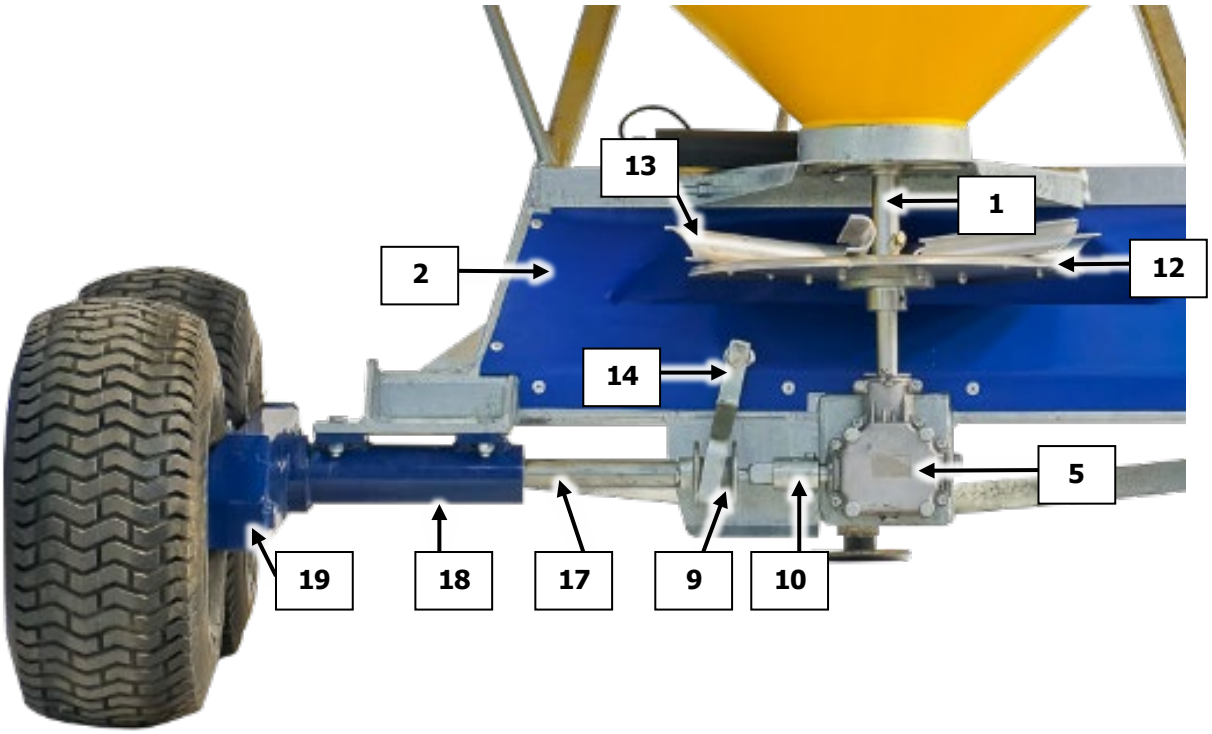
1. To order replacement parts please quote the spreader type and serial number.
2. The serial number is located on the spreader tow bar as shown below.
3. The follwing pages detail the replacement parts available.



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SPREADMAX TT750 PARTS LIST





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SPREADMAX TT750 PARTS LIST

Item	Part No.	Description	Qty	Notes
15	SP193-001	Main Frame	1	
	SP100-033	Drive Engage Liner Tube	1	
	SP100-034	Drive Axle Key	1	
	SP100-035	Pointer	1	
11	SP100-036	Index Box	1	
12	SP136-004	Spinner Disc	1	
13	SP136-005	Spinner Fin	6	
	SP136-008	Agitator	1	
14	SP136-015	Drive Operating Lever	1	
	SP136-024	Hopper Cross Stay	1	
	SP136-029	Towbar Bush Liner	1	
	SP141-010	Towbar	1	
	SP175-012	Shutter Lever	1	
	SP175-014	Towbar Adjuster	1	
17	SP193-007	Drive Axle	1	
18	SP193-009	Bearing Housing LH	1	
	SP193-00	Cover Strap	1	
	SP193-024	Hopper Tri Brace	1	
	SP193-039	Wheel Spacer Wabble Roller	2	
19	SP193-041	Floating Axle Assembly	2	
	SP193-043	Driving Plate	2	
	SP193-044	Drive Axle Key	1	
	SP193-045	Washer	1	
	SP193-047	Bearing Housing RH	1	
	SP193-049	Bearing Spacer	1	
	SP193-050	Grease Bolt	4	
	SP193-052	Front Hopper Bracket	1	
	SP193-113	Drive Handle	1	
	SP136-028	Agitator Bush	1	
9	SP100-015	Drive Slider	1	
10	SP100-016	Drive Stub	1	
	SP100-020	Shaft Guard (trailed spreader)	2	
7	3378	Hopper Only Yellow	1	
2	1807	Spinner Shield Blue	1	
8	3385	Cover (full) Blue	1	
5	3127	Gearbox RV010	1	
	2892	SP175-003/P Shutter Plate	1	
3	2190	Non-Drive Wheel 20x10-8	4	
4	2801	Hub Cap	4	
	1226	Coupling WBB 2000 1 7/8	1	

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SPREADMAX TT750 PARTS LIST

Item	Part No.	Description	Qty	Notes
	1573	Drive Axle Bearing	2	
1	1093	D Pin	1	
	1094	Spring	1	
	1644	Grip Handle 22mm	2	
	1651	Tri Knob Female 8mm	1	
	1679	Felt Washer	1	
6	3130	Wheel Wabble Roller	2	
	4150	M6 Nut S/S	12	
	4152	M6 Nut Nyloc Zinc	2	
	4156	M6x16 Bolt Zinc	2	
	4157	M6x16 Coach Bolt S/S	12	
	4187	M6 Washer Spring S/S	12	
	4192	M6 Washer (12x1) S/S	12	
	4254	M8 Nut Nyloc Zinc	3	
	4258	M8x16 Bolt S/S	3	
	4268	M8x35 Bolt Zinc	2	
	4272	M8x50 Bolt Zinc	1	
	4280	M8 Washer Spring S/S	3	
	4284	M8 Washer (16x1.2) S/S	3	
	4285	M8 Washer (16x1.2) Zinc	1	
	4353	M10 Nut Nyloc Zinc	5	
	4375	M10x55 Bolt Zinc	2	
	4379	M10x70 Bolt Zinc	1	
	4384	M10x120 Bolt Zinc	4	
	4390	M10 Washer Spring Galv	5	
	4396	M10 Washer (21x1) Zinc	2	
	4398	M10 Washer (24x3) HD Galv	5	
	4399	M10 Washer (24x3) HD Zinc	1	
	4453	M12 Nut Nyloc Zinc	12	
	4465	M12x35 Bolt Zinc	4	
	4468	M12x40 Bolt Zinc	8	
	4498	M12 Washer (24x1.6) Zinc	8	
	4655	M16 Nut Nyloc Zinc	5	
	4685	M16x200 Bolt Galv	1	
	4686	M16 Washer Friction Grip Galv	2	
	4690	M16 Washer (35x3) HD Black	4	
	4691	M16 Washer HD Zinc	5	
	5008	Rivet 6-10 73 ASL	10	
	5042	Circlip 45mm External Zinc	1	
	5043	Circlip 70mm External Zinc	2	

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SPREADMAX TT750 PARTS LIST

Item	Part No.	Description	Qty	Notes
	5049	Grease Nipple M10x1.0 Straight	1	
	5058	Grease Nipple M6 Straight	4	
	2806	Decal Silver Graph Set	1	
	3019	Decal "TT750"	1	
		Manual	1	

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