FIELDKING

Laser Land Leveler

➤ Operator Manual ➤ Service Manual ➤ Part Catalogue

CONGRATULATIONS!

You have invested in one of the best implements of its type in the market today.

The care you give your “FIELDKING” implement will greatly determine your satisfaction with its performance and its service life. A careful study of this manual will give you a thorough understanding of your new implement before operating.

If your manual is lost or destroyed, “FIELDKING” will be glad to provide you a new copy. Visit to nearest dealership & get a copy. Most of our manuals can also be downloaded from our website at www.fieldking.com.

As an authorized “FIELDKING” dealer, we stock genuine “FIELDKING” parts which are manufactured with the same precision and skill as our original equipment. Our trained service persons are well informed on methods required to service “FIELDKING” equipments and are ready to help you.

Should you require additional information or assistance, please contact us.

YOUR AUTHORIZED

FIELDKING DEALER

BECAUSE “FIELDKING” MAINTAINS AN ONGOING PROGRAMME OF PRODUCT IMPROVEMENT, WE RESERVE THE RIGHT TO MAKE IMPROVEMENTS IN DESIGN OR CHANGE IN SPECIFICATION WITHOUT INCURRING ANY OBLIGATION TO INSTALL THEM ON UNITS PREVIOUSLY SOLD. BECAUSE OF THE POSSIBILITY THAT SOME PHOTOGRAPHS IN THIS MANUAL WERE TAKEN OF PROTOTYPE MODELS, PRODUCTION MODELS MAY VARY IN SOME DETAIL. IN ADDITION, SOME PHOTOGRAPHS MAY SHOW SHIELDS REMOVED FOR THE PURPOSE OF CLARITY. NEVER OPERATE THIS IMPLEMENT WITHOUT ALL SHIELDS IN PLACE.

TO THE PURCHASER

This manual contains valuable information about your new “FIELDKING” laser land leveler. It has been carefully prepared to give you helpful suggestions for operating, adjusting, servicing and ordering spare parts.

Keep this manual in a convenient place for quick and easy reference. Study it carefully. You have purchased a dependable and sturdy laser land leveler but only by proper care and operation you can expect to receive the service and long life designed and built into it.

Sometime in the future your laser land leveler may need new parts to replace which are worn out or broken. If so, go to your dealer and provide him equipment’s detail like model and part number.

CUSTOMER INFORMATION

Name _____

Purchased From _____

Date of Purchase _____

Model No. _____

Serial No. _____

PURCHASER / OPERATOR'S RESPONSIBILITY

1. Read and understand the information contained in this manual.

2. Operate, lubricate, assemble and maintain the equipment in accordance with all instructions and safety procedures in this manual.

3. Inspect the equipment and replace or repair any parts that are damaged or worn out which under continued operation would cause damage, wear to other parts, or cause a safety hazard.

4. Return the equipment or parts to the authorized "FIELDKING" dealer, from where it was purchased, for service or replacement of defective parts that are covered by warranty. (The "FIELDKING" Factory may inspect equipment or parts before warranty claims are honored.)

5. All costs incurred by the dealer for traveling to or transporting the equipment for warranty inspection and claims will be borne by the customer.

INDEX

NOTE:

BERI UDYOG PVT. LTD reserves the right to modify machine design and specifications provided herein without any preliminary notice.

Information provided herein is of descriptive nature. Performance quality may depend on soil quality.

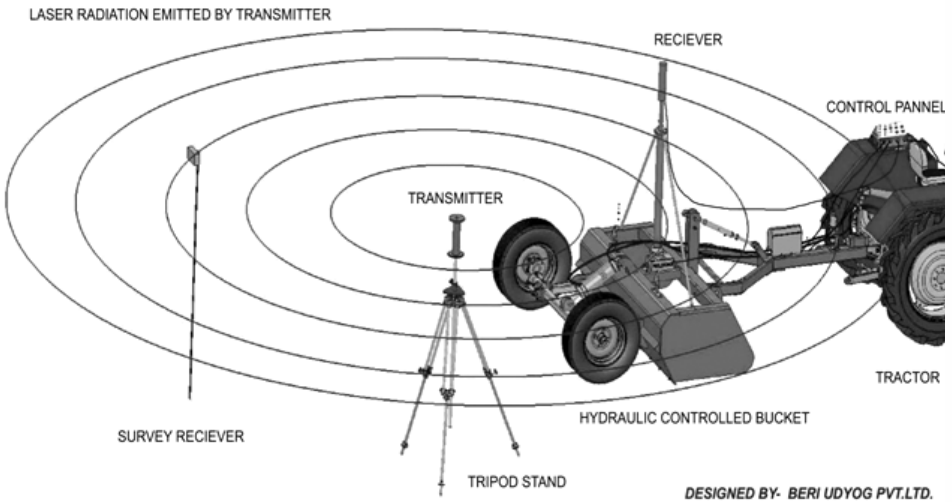
1. INTRODUCTION

This handbook contains operating and maintenance instructions plus a list of the parts supplied as spares for the LASER LAND LEVELER. It is therefore advisable to strictly comply with the following instructions in order to prevent faults that could jeopardize the correct and long lasting operation of the implement. Compliance with the instructions in this handbook is also important since the manufacturer declines all and every responsibility for damage to persons or property caused by negligence and failure to comply with these instructions. The manufacturer shall, however, remain at the customer's disposal for immediate and thorough assistance together with anything else that may be required in order to ensure the correct operation and maximum efficiency of the implement.

As per studies, a significant (25 - 30%) amount of irrigation water is lost during its application in the farm due to poor farm designing and uneven fields. Fields that are not leveled properly, have uneven crop stands, increased weed burden and uneven level of maturity in crops. All these factors lead to reduced yield & poor grain quality.

To overcome all these above stated problems, "FIELDKING" introduces a laser land leveler to flatten unevenness of agriculture field.

"FIELDKING" laser land leveler consists of a laser transmitter, a laser receiver, survey receiver, a control panel and a directional control valve. The laser transmitter transmits a rotating laser beam, which is used as the reference datum with the help of laser receiver mounted on the leveling bucket.



The control panel mounted on the tractor interprets the signal from the receiver and guides the hydraulic control valve to raise or lower the bucket through hydraulic cylinder. Leveling requires soil to be shifted from the high points of the field to the low points in the most cost effective way. Fields need to be ploughed and a topographic survey undertaken before leveling is to commence.

1.1 BENEFITS OF LAND LEVELING

Effective land leveling is meant to optimize water use efficiency, improve crop establishment, reduce the irrigation time & effort required to manage crop.

Features of Laser leveled land:

a Reduced weed problem.
b Improved crop establishment.
c Even leveled and smooth surfaced soil.
d Reduction in time and water required to irrigate the field.
e Even distribution of water in the field.
f Uniform moisture environment for crops
g More uniform germination of seeds and growth of crops
h Reduction in seed, fertilizer, chemical and fuel requirements in cultural operation for Improved field traffic ability (for subsequent operations)

Researches show a large increase in rice yield due to proper field leveling i.e. for the same rice varieties and the same fertilizer input, the average increase in crop yield was 245 or 530 kg/ha.

A) WEED CONTROL: improved water coverage with better land leveling reduces weeds by up to 40%.This results in significant reduction in time for crop weeding.
B) FARM OPERATION: laser leveling makes possible easier and more efficient use of larger fields as an increase in farming area and improvement in operational efficiency. This increase in farming area gives farmer the option to reduce operating time by 10% to 15%.
C) SEEDING PRACTICES : Laser leveled larger fields reduce the time taken for planting, for transplanting and for direct seeding.
D) EFFICIENT WATER MANAGEMENT: An unleveled field means extra water storage in fields to accomplish puddling in paddy field. Moreover land leveling effectively terraces fields allowing water in the higher fields to be used in lower fields for land preparation, plant establishment & irrigation.
E) ECONOMICS: The initial cost of laser land leveling is high but if the appropriate ploughing techniques are used, re-leveling the whole field should not be necessary for several years. Measurements taken in fields in the second and third year after leveling vary minutely in surface topography.

2. WARNING SIGNAL

REMEMBER SAFETY FIRST

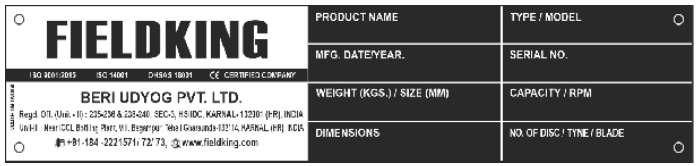
1. Operator must read the instruction manual before operating the laser land leveler.
2. Do not allow anyone to operate this equipment who has not fully read and comprehended this manual and who has not been properly trained in the safe operation of the equipment.

3. Your implement is not designed to carry passengers - No Rider.
4. Do not allow anyone to stand between the tractors and implement while an operator is backing up to the implement.

3. MACHINE IDENTIFICATION

Each individual Laser leveler has an identification plate indicating the following details, which should be copied into the handbook along with the date of purchase:

1. Serial number.
2. Machine model.
3. Year of manufacture.

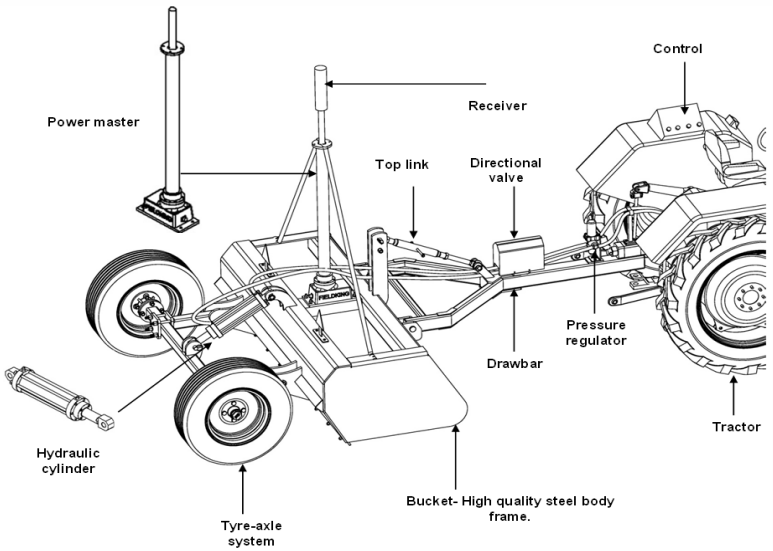


4. TECHNICAL DESCRIPTION

Irregular and uneven land requires comparatively more water and more time to irrigate field completely. Laser Land Leveler makes the land even leveled and water reaches to each and every corner of the field. Leveling of land in a perfect manner means maximum use of water, improvement in maximisation of crop production in lesser irrigation time and ultimately less investment and more gains.

4.1 FIELDKING LASER LAND LEVELER CONSTRUCTIONS

Fieldking laser land leveler is made up of high quality extra strength steel bucket/scraper that is used to carry soil from areas of higher to lower level. There is a hydraulic double acting cylinder which uplifts and lowers down the bucket as monitored by a control panel mounted on tractor. Control panel receives signal from power from receiver mounted on top of bucket. Bucket is connected with tractor hydraulic system through a directional valve and pressure regulator.



4.1.1. LASER TRANSMITTER

a The laser transmitter is equipped with vibratory mode operation. Making it possible to work in fast wind condition without interruption.

b The laser transmitter allows the laser beam to sweep above the field. Several tractors with laser unit and drag bucket can work from one transmitter with guidance from laser receiver.

Operating Temperature: - 10°C to 50°C
Storage Temperature: - 20°C to 60°C

4.1.2. TRIPOD STAND

Easy to adjust in all weather conditions. High quality steel used for body frame stand.

Tripod Stand

4.1.2. CONTROL BOX ON TRACTOR

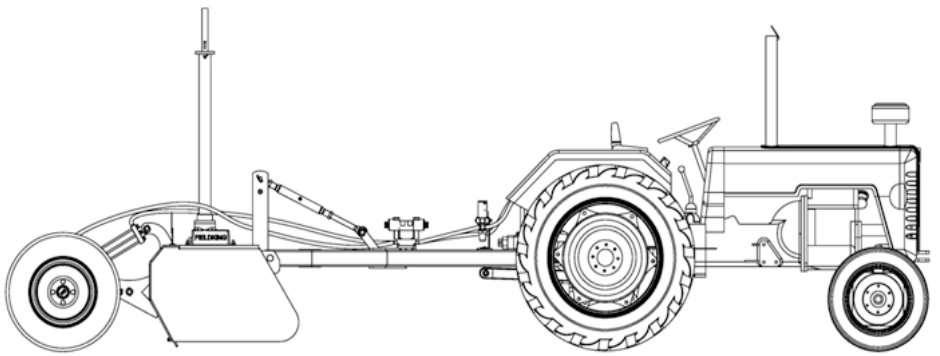
The control box accepts and processes signals from the machine mounted receiver. It displays these signals to indicate the drag buckets position relative to the finished grade. When the Control box is set to automatic, it provides electrical output for driving the hydraulic valve. The control box mounts on the tractor within easy reach of the operator.

Operating Temperature: - 10°C to 50°C
Storage Temperature: - 20°C to 60°C

Control box

4.1.3. BUCKET

The bucket can be either 3-point linkage mounted on or pulled by a tractor. This system is preferred as it is easier to connect the tractor's hydraulic system to an external hydraulic ram than to connect the internal control system used by the 3-point-linkage system. Bucket dimensions and capacity will vary according to the available power source and field conditions. Different bucket dimensions from 2m width to 3m width with matching requirements of tractors are available at BERI's FACTORY.



4.1.4. LASER RECEIVER

Receiver

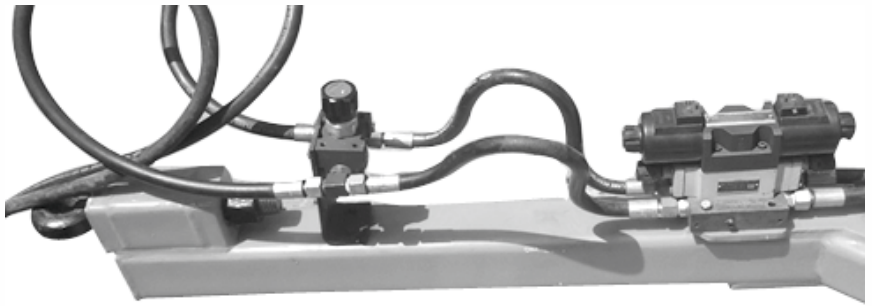
The laser receiver is a multi-directional receiver that detects the position of the laser reference plane and transmits this signal to the control box. The receiver is mounted on a manual or electric mast attached to the drag bucket. It is mounted on the scraper. A set of controls allow the laser receiver to control the height of the bucket on the scraper. The operator can be used to adjust the settings on the receiver, and he can override the receiver when he needs to pick up a bucketful of soil and transport it to another section of the field.

Operating Temperature: -10°C to 50°C

Storage Temperature: -20°C to 60°C

4.1.5. HYDRAULIC CONTROL SYSTEM

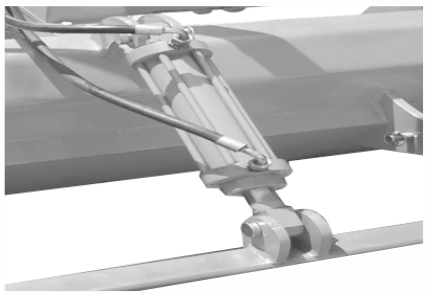
The hydraulic system of the tractor is used to supply oil to raise or lower the leveling bucket. The oil supplied by the tractor's hydraulic pump is normally delivered at 2000-3000 psi. As the hydraulic pump is a positive displacement pump and always pumps more oil than required, a pressure relief valve is needed in the system to return the excess oil to the tractor reservoir. If this relief valve is not large enough or malfunctions, damage can be caused to the tractors hydraulic pump.



4.1.6. HYDRAULIC CYLINDER

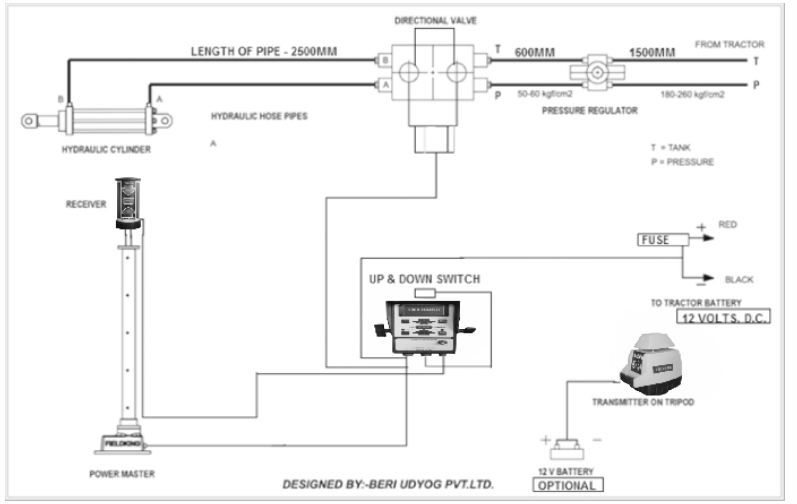
FIELDKING laser leveler consists of heavy duty double acting hydraulic cylinder having extra strengthened body construction. It ensures best flexibility that lasts for long.

Cylinder capacity- 2 Ton



DOUBLE ACTING HYDRAULIC CYLINDER

4.2 CONTROL BOX & HYDRAULIC CONNECTIONS



5. HOW TO USE LASER LAND LEVELER

5.1 WORKING PROCEDURE:

The Laser-controller system requires a laser transmitter on tripod, a laser receiver on bucket/scrapper, survey receiver for prediction about flat land adjustment, an electrical control panel and a twin hydraulic control valve. The laser transmitter transmits a rotating laser beam, which is used as the reference datum by the laser receiver mounted on the leveling bucket. The control panel mounted on the tractor interprets the single from the receiver and opens or closes the hydraulic control valve, which raises or lowers the bucket. Leveling requires soil to be shifted from the high points of the field to the low points in the most cost effective way. Fields need to be ploughed and a topographic survey undertaken before leveling commences. In most situations fields will need to be ploughed and a topographic survey undertaken before leveling commences.

Step 1. Ploughing the Field

Plough the field preferably from the center of the field outwards. It is preferable to plough the field when the soil is moist because if the soil is ploughed dry a significant increase in tractor power is required and larger clod sizes may be a result. If the soil is dry a one-way disc or moldboard may be required. Disc harrows or tyne implements are ideal for second workings.

All surface residues need to be cut up or removed to aid soil flow from the bucket. Hydraulic control system. A rotary tiller is used to cut up the surface residues.

Step 2: Conducting a Topographic Survey

Once the field is ploughed, you should conduct a topographic survey to record the high and Low spots in the field. From the surveyed readings you can then establish the mean height of the field by taking the sum of all the readings and dividing by the number of readings taken. Then, using a field diagram and the mean height of the field can be determined strategically to effectively move soil from the high to low areas.

Lasers EYE ROD are used to accomplish a topographic survey. They are accurate, simple to use and readily available in most countries. Recordings can be taken up to a radius of 300 meters from the transmitter .The laser surveying system is comprises of a laser transmitter, a tripod, a measuring rod and a small laser receiver. A major advantage of laser surveying is the accuracy, simplicity of use and only one person is needed.

Step 3: Setting up tripod

a Open the tripod legs and adjust the individual positioning of the legs until the base plate is relatively level. Use the horizon as a visual guide to get the base plate level.

b Attach the laser transmitter to the base plate.

c If the laser is not self-leveling, adjust the individual screws on the base of the transmitter to get the bubble into the center of both circles. Most lasers will not rotate unless the transmitter is level.

d Once the transmitter is level attach the receiver to the staff and activate the sound monitor.

e The laser is now ready to commence recording heights.

Step 4: Leveling the Field

Leveling a field involves the following steps:

a The laser-controlled bucket should be positioned at a point that represents the mean height of the field. The cutting blade should be set slightly above ground level (1-2 cm).

b The tractor should then be driven in a circular direction with a speed range of 5 to 6 km/hr from the high areas to the lower areas in the field.

c Tractor should be driven in circular direction in the field from high to lower areas.

d To maximize working efficiency, as soon as the bucket is near filled with soil the operator should turn and drive towards the lower area. Similarly as soon as the bucket is near empty the tractor should be turned and driven back to the higher areas.

e When the whole field has been covered in this circular manner, the tractor and bucket should then do a final leveling pass in long runs from the high end of the field to the lower end.

f The field should then be re-surveyed to make sure that the desired level of precision has been attained. In wet areas where there is a chance of bogging the tractor, care needs to be taken to fill the wet areas from the effected edge in a circular motion.

g Laser leveler would not work in fast windy conditions and in fogs.

6. SERVICE AND MAINTENANCE

a Use SAE multi-purpose grease (In both tyres) with extreme pressure (EP) performance.

b Use only hand-held grease gun for all greasing.

c If greasing does not penetrate, then remove and clean the hub thoroughly. Replace the fitting if necessary.

d Check regularly the oil level in tractor oil tank.

SERVICING INTERVALS

8 HOURS

a Check the Hydraulic fluid for leaks/cut hoses.

b Tyre pressure 60 Psi (415 kpa).

c Check all pins nut and bolts.

24 HOURS

a Grease on arms.

b Check for safety signs to be clean/legible.

c Check the cutting edge condition.

6 MONTHS / 1 YEAR

a Check the wear of blades and replace it if required.

b Check laser unit and tripod stand.

OFF SEASON STORAGE

a Laser leveler should be thoroughly cleaned from soil and dirt.

b Always park the implement below appropriate roof shade.

c Power-mast should be covered with water resistant cover.

d Carry case with all its inside accessories should be kept at safe place.

7. TROUBLE SHOOTING

PROBLEMS	CAUSE	SOLUTIONS
Bucket will not raise or lower.	Transmitter is not working.	Check red light. It should be transmitted from the transmitter in working condition.
	Leakage from the hydraulic connections.	Check hydraulic connections.
	Error in electric connection of solenoid.	Make proper connections.
	Wrong pressure relief valve setting.	It should be between 4 -7 marking.
	Contamination in hyd. pipes.	Change hydraulic oil.
Bucket doesn't respond in certain areas of field.	Line of vision between transmitter and receiver blocked.	Make proper transmitter -receiver alignment.
	Receiver is at same height as tractor cabin.	
	Laser beam above or below the receiver height.	
Bucket will only move in one direction.	Oil cold or no load in bucket.	Check pressure relief valve setting.
Bucket raises and falls automatically.	Wrong line of vision.	Make proper transmitter-receiver alignment.
	Wrong electronic connections on solenoid.	Make necessary connections.
	Check oil level in tractor hydraulic system.	Refill hydraulic oil if necessary .
Output Field still uneven.	Traveling too quickly.	Increase speed slightly.
	Raise and fall speed too slow.	Maintain appropriate speed ratio for proper raise and fall.
Field not level or slopes in the wrong way.	**Wrong levelness/calibration of the transmitter.**	**Set transmitter as per it's given instructions.**
Soil not flowing out of the Bucket.	Soil too compacted for bucket to cut.	Replace blade if its sharpen edge becomes old.
	Soil too wet.	Wait until soil is ready for planning.
Soil not flowing into the bucket.	Too much foreign matter in soil.	Use harrow before leveling
	Too much crop/weed residue on surface.	Use harrow before leveling
	Soil too compacted.	Use cultivator before leveling
Control box is not showing light.	Problem with fuse.	Change fuse if damaged.
	Wrong wiring connection for positive and negative terminal.	Check for necessary connections.
	Low battery power.	Recharge battery with suitable charger.
Control box is not working but light blinks.	Wrong programming on control panel.	Correct as per programming manual.
Control Box showing receiver bad signal.	Problem in wirings.	Check each and every wire.
Transmitter is not working.	Tripod three legs not in equal alignment	Make proper standing for tripod
	Transmitter in the range of heavy voltage (11000V).	Change location of transmitter such that it does not conflict with high power environment.
Field is not leveling .	Control box is in manual control.	Turn it to auto mode.

8. FREQUENTLY ASKED QUESTIONS (LASER LAND LEVELER)

1. **What is the transmitter minimum height?**
   Transmitter minimum height should be above the topmost position of tractor i.e. 7.5 feet and transmitter and receiver must be in the same height.

2. **How to level the field?**
   For uniform leveling set the height of leveler blade on the uppermost level of field and then turn on the auto mode of leveler.

3. **What is the function of top link?**
   The top link is used to adjust the degree of bucket.

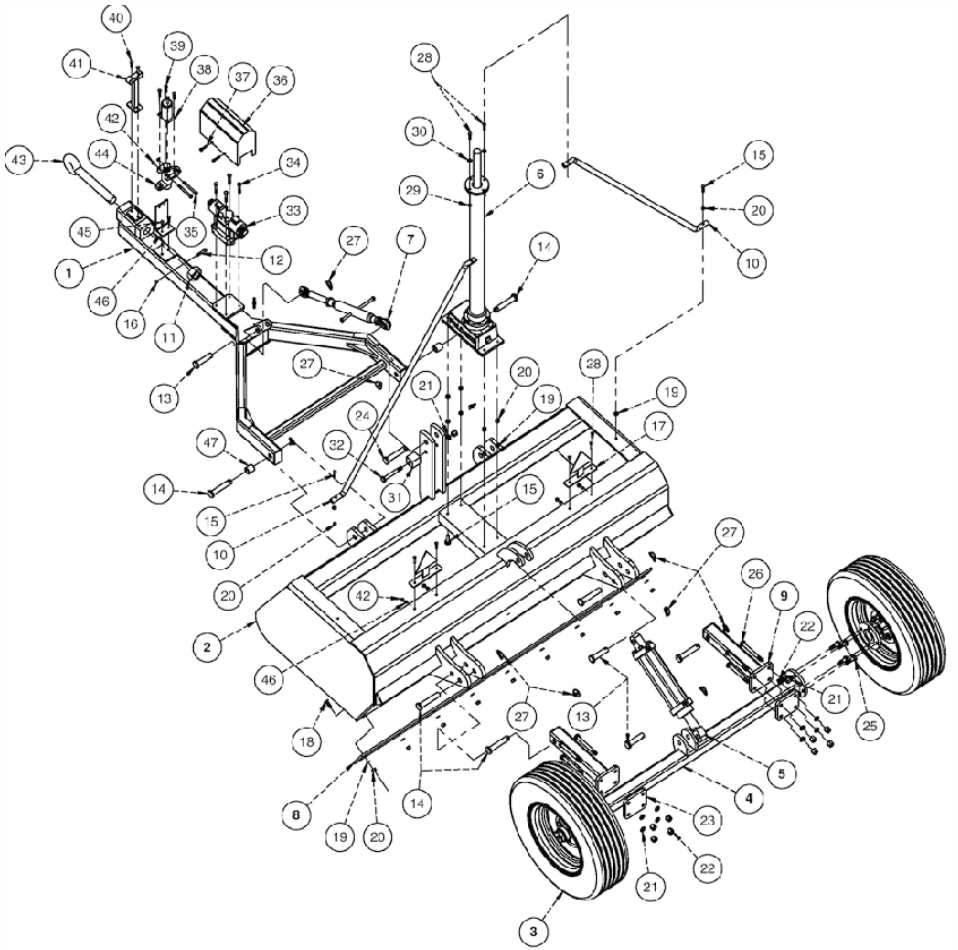
4. **After leveling the water flow is not uniform in the field.**
   In leveling that area of field swell after soaking water from where leveler picks up the soil and vice versa, otherwise the leveling is uniform.

5. **Average speed of tractor for best results.**
   It should be 1500-1600rpm

6. **What is the coverage area of laser transmitter?**
   700 meter Diameter.

7. **Minimum distance between tractor and laser.**
   2 meters.

LASER LAND LEVELER OVERALL ASSEMBLY



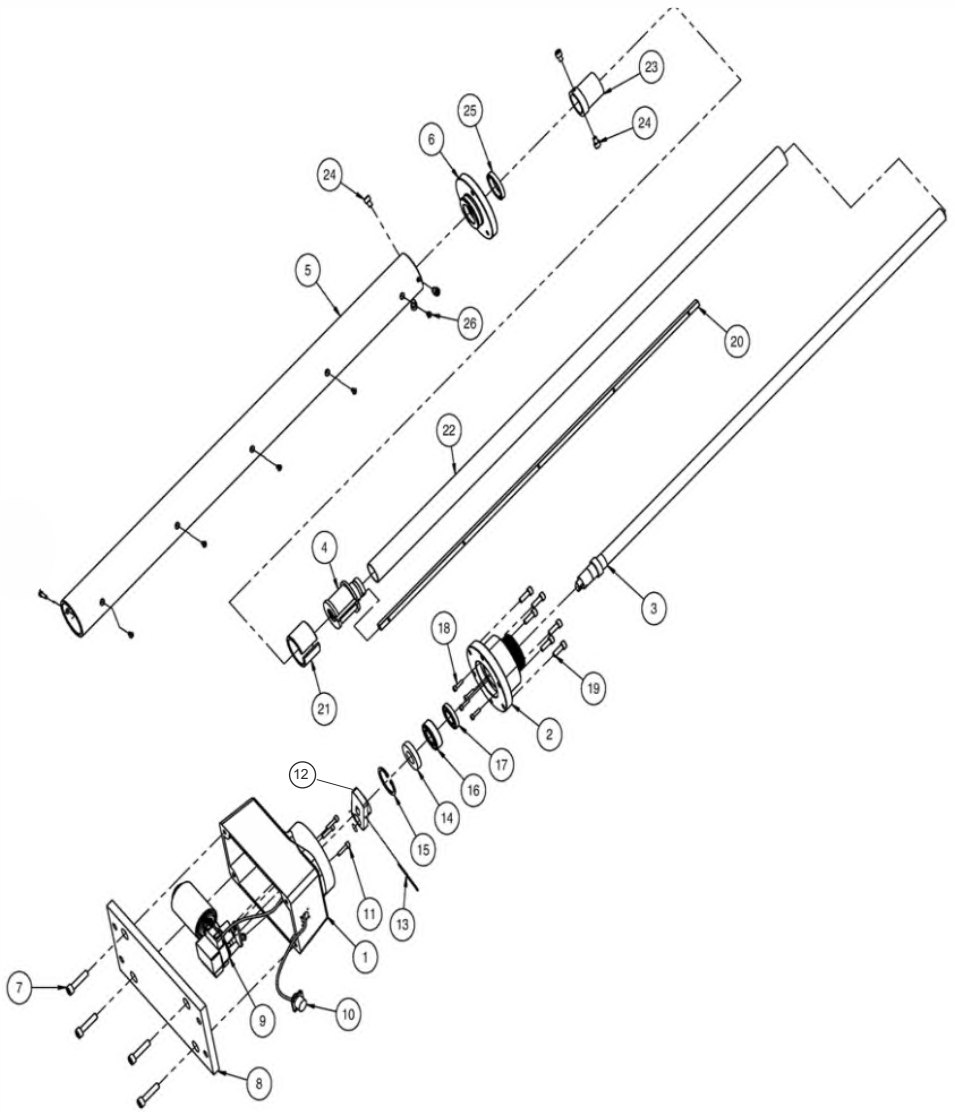
LASER LAND LEVELLER							
S. NO.	DESCRIPTION	2.00 MTR		2.50 MTR		3.00 MTR	
		SINGLE TYRE	WIDER/ DOUBLE TYRE	SINGLE TYRE	WIDER/ DOUBLE TYRE	SINGLE TYRE	WIDER/ DOUBLE TYRE
1	DRAWBAR	72890012					
2	BUCKET	74250033	74250033	74250075	74250075	74250079	74250079
3	TYRE ASSY	11030038	11030012	11030038	11030012	11030038	11030012
4	AXLE	11030038 (TYRE ASSEMBLY WITH HUB 6.00X16 SINGLE TYRE)					
		11030012 (TYRE ASSEMBLY WITH HUB 6.00X16 DOUBLE TYRE)					
		11030032 (TYRE ASSEMBLY WITH HUB 10.0/75X15.3 WIDER TYRE)					
		11030033 (TYRE ASSEMBLY WITH HUB 13/55-16.0 WIDER TYRE)					
5	HYDCYLINDER	10450001					
6	POWERMASTER	10300131					
7	TOP LINK	74730001					
8	BLADE	10060009		10060028		10060046	
9	AXLE SUPPORT PIPE ASSY	74250001					
10	SUPPORT PIPE	72890024		74250068		74250066	
11	PLAIN HEXAGONAL NUT M40					10280064	
12	HEX HEAD BOLT M10 x 1.5 x 60					10260004	
13	LOCKPIN DIA 25xL 100					10020069	
14	LOCKPIN DIA 25xL165					10020035	
15	HEX HEAD BOLT M12x40					10260008	
16	NYLOCK NUT M10 x 1.5					10280002	
17	REFLECTOR ASSEMBLY					74250065	
18	CSK BOLT M12 x 40 x 1.75					10260052	
19	SPRING WASHER 12MM					10270003	
20	NYLOCK NUT M12 x 1.75					10280025	
21	SPRING WASHER M16					10270005	
22	NYLOCK NUT M16 x 2					10280005	
23	AXLE SUPPORT FLAT PLATE					74650003	
24	LOCKPIN DIA 25 x 120L					10020035	
25	HEX HEAD BOLT M16 x 50 x 2					10260078	
26	HEX HEAD BOLT M16 x 135 x 2					10260243	
27	LINCH PIN 10MM					10020022	
28	HEX HEAD BOLT M8 x 40 x 1.25					10260002	
29	NULOCK NUT M8 x 1.25					10280027	
30	SPRING WASHER 8MM					10270001	
31	SQUARE BUSH					10070055	
32	HEX HEAD BOLT M16 x 120 x 2					10260071	
33	CONTROL DIRECTIONAL VALVE ASSEMBLY					10570001	

34	HEX HEAD BOLT M8 x 45 x 1.25	10260157
35	HEX HEAD M8 x 75 X 1.25	10260302
36	DIRECTIONAL VALVE COVER	10150017
37	ALLEN BOLT 8 x 20	10260229
38	PRESSURE RELIEF VALVE COVER	20050726
39	ALLEN BOLT 8 x 20	10260225
40	HEX HEAD BOLT M8 x 25 x 1.25	10260090
41	HOSE PIPE STAND	72890022
42	NYLOCK NUT M8 x 1.25	10280027
43	HOOK M40	10430006
44	PRESSURE RELIEF VALVE	10540006
45	HEX HEAD BOLT M8 x 25 x 1.25	10260090
46	PRESSURE REGULATOR VALVE STAND	20050817
47	LINKAGE BUSH	10070072

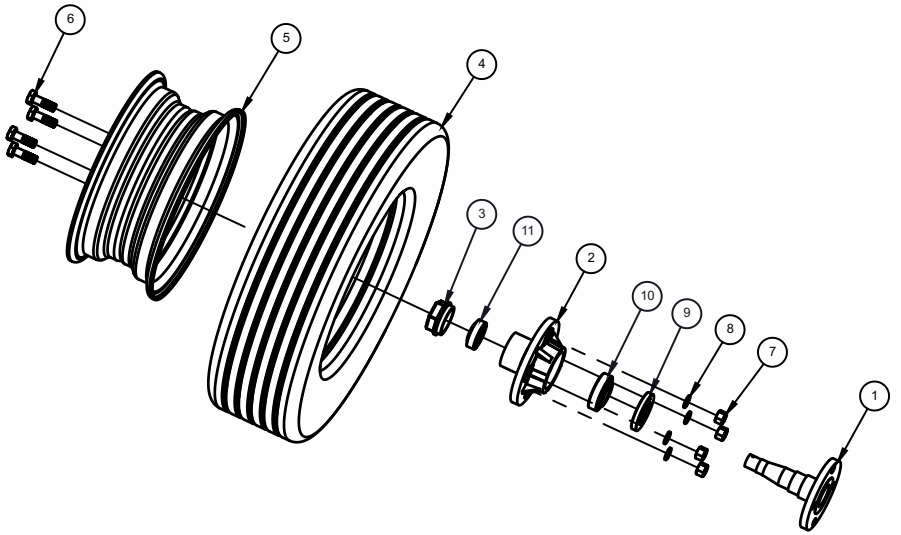
*Abbreviation used:- S/T- Single Tyre ,D/T-Double Tyre

POWER MASTER ASSEMBLY

SR. NO.	TECHNICAL DESCRIPTION	PART NO.
1	BASE BOX L-235,W-150,T-7	10300071
2	MAIN PIPE BASE FLANGE OD -135,ID-30	10230016
3	SQ. THREADED SHAFT OD-32, L-1074mm	10290040
4	GUIDE NUT OD-55,ID-24	10280058
5	MAIN PIPE L-1000,OD-77,ID-66.5	10200025
6	MAIN PIPE UPPER FLANGE OD-125,ID-39	10230017
7	HEX SOCKET CSK M10X1.5PX40L	10260095
8	BASE PLATE (LASER LEVELER) L -330,W-150,T-18	10300053
9	MOTOR ASSEMBLY	10300129
10	ELECTRIC COUPLER FEMALE	10300143
11	ALLEN BOLT M6X1PX25L	10260186
12	SHAFT LINK	10300140
13	WIRE PIN	10300220
14	OIL SEAL 52X25X8	10010053
15	CIRCLIP B-52	10390017
16	RADIAL BALL BEARING 6005-2Z	10050054
17	RADIAL BALL BEARING 6205-2Z	10050044
18	ALLEN BOLT M5X20L	10260203
19	ALLEN BOLT M8X1.25PX25L	10260187
20	GUIDE KEY L-935,SQ.10	10300141
21	GUIDE BUSH OD-66.5,ID-50.8	10070052
22	GUIDE PIPE OD-38.5,ID-34,L-1200mm	10200024
23	RECEIVER BUSH OD-50,ID-39	10070059
24	ALLEN BOLT M8X1.25PX10L	10260225
25	OIL SEAL 52X38X8	10010046
26	CSK BOLT M5X0.8PX10L	10260200

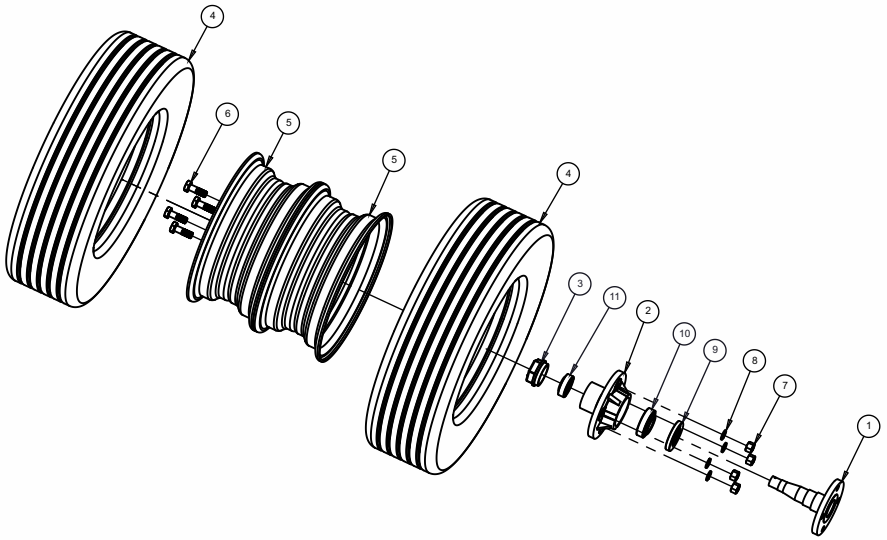


TYRE ASSEMBLY-SINGLE TYRE



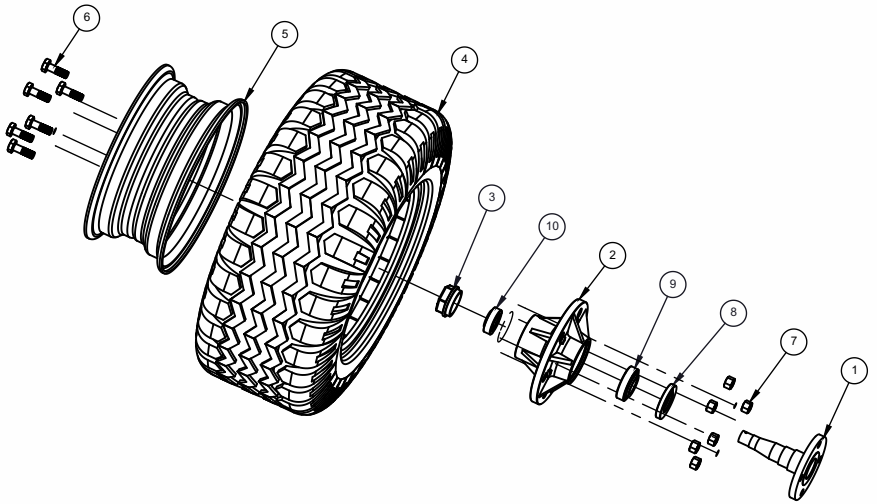
TYRE ASSEMBLY (SINGLE TYRE)			
SR.NO.	**PART NAME**	**ITEM CODE**	**QTY.**
1	FLANGE SHAFT	74660001	1
2	TYRE HUB	10090017	1
3	HUB COVER	10180008	1
4	TYRE 6.00-16	11030008	1
5	TYRE WHEEL	11040019	1
6	HEX HEAD BOLT M16X50X2	10260358	4
7	NYLOCK NUT M16X2	10270005	4
8	SPRING WASHER 16 MM	10280005	4
9	OIL SEAL 45X85X12	10010038	1
10	BEARING 32208	10050021	1
11	BEARING 32206	10050017	1
12	TUBE FOR 6-16 TYRE(NOT SHOWN IN IMAGE)	11090003	1

TYRE-ASSEMBLY DOUBLE TYRE



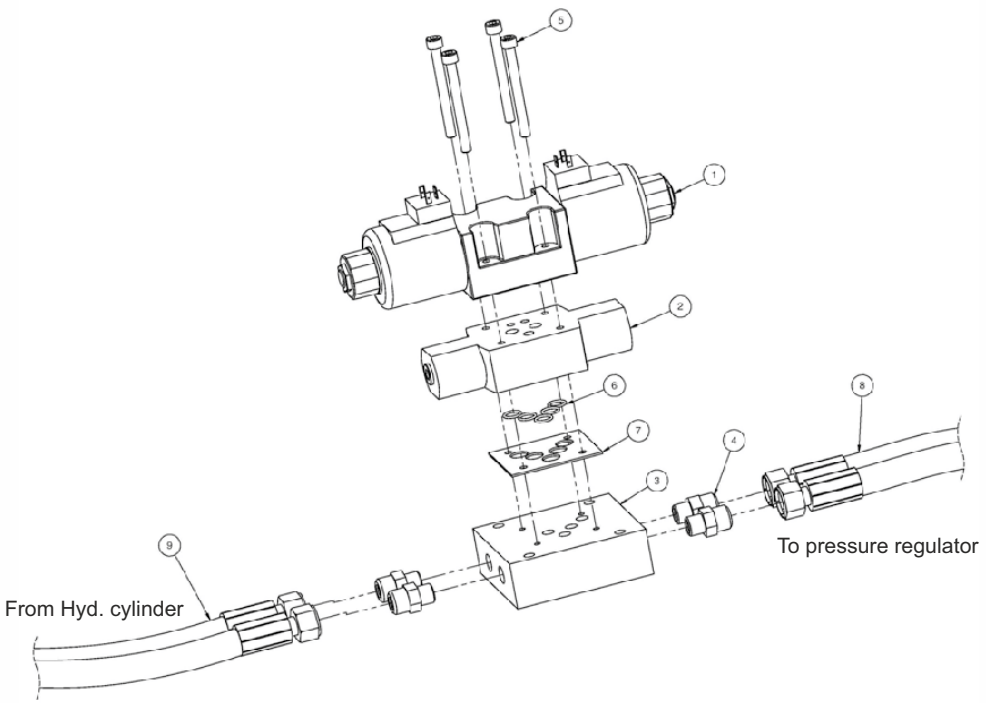
TYRE ASSEMBLY (DOUBLE TYRE)			
SR.NO.	PART NAME	ITEM CODE	QTY.
1	FLANGE SHAFT	74660001	1
2	TYRE HUB	10090017	1
3	HUB COVER	10180008	1
4	TYRE 6.00-16	11030008	2
5	TYRE WHEEL FOR DOUBLE TYRE (RIM)	11040021	1
6	HEX HEAD BOLT M16X50X2	10260358	4
7	NYLOCK NUT M16X2	10270005	4
8	SPRING WASHER 16 MM	10280005	4
9	OIL SEAL 45X85X12	10010038	1
10	BEARING 32208	10050021	1
11	BEARING 32206	10050017	1
12	TUBE FOR 6-16 TYRE(NOT SHOWN IN IMAGE)	11090003	2

TYRE-ASSEMBLY WIDER TYRE



TYRE ASSEMBLY (WIDER TYRE)					
10.0/75-15.3				13.0/55-16	
SR.NO.	ITEM CODE	QTY.	PART NAME	ITEM CODE	QTY.
1	74660001	1	FLANGE SHAFT	74660001	1
2	10090046	1	TYRE HUB	10090046	1
3	10180008	1	HUB COVER	10180008	1
4	10300201	1	WIDER TYRE	11030023	1
5	11040006	1	TYRE WHEEL FOR WIDER TYRE (RIM)	11040024	1
6	10260227	6	HUB BOLT 22X11G 5/8X70MM	10260227	6
7	10280061	6	HUB NUT 22X11G 5/8	10280061	6
8	10010038	1	OIL SEAL 45X85X12	10010038	1
9	10050021	1	BEARING 32208	10050021	1
10	10050017	1	BEARING 32206	10050017	1

DIRECTIONAL VALVE ASSEMBLY



DIRECTIONAL VALVE ASSEMBLY		
SR. NO.	**TECHANICAL DESCRIPTION**	**PART CODE.**
1	DIRECTIONAL VALVE	20051220
2	THROTLE CUM CHECK VALVE	10300052/103000160
3	HYDRAULIC PLATE/BASE PLATE	10300150
4	1/2X3/8 INCH HYDRAULIC ADAPTOR	20050533
5	HEXAGON SOCKET HEAD SCREW 6X75	10260347
6	HYDRAULIC OIL RING 12X2	10010066
7	THROTTLE CUM CHECK VALVE PLATE 1.5MM	10300221
8	HYDRAULIC HOSE PIPE (DIRECTIONAL VALVE TO PRESSURE REGULATOR)-600MM	10300098
9	HYDRAULIC HOSE PIPE (CYLINDER TO DIRECTIONAL VALVE)-2500 MM	10300134
10	HYDRAULIC PIPE (PRESSURE REGULATOR TO TRACTOR)-1500 MM	10300135

ELECTRONIC ACCESSORIES	
SR.NO.	**TECHANICAL DESCRIPTION**
1	TRIPOD STAND
2	TRANSMITTER
3	BATTERY-12V(DC)
4	TRANSMITTER TO BATTERY CONNECTOR WIRE
5	SURVEY RECIEVER (EYE ROD)
6	SCALE COMBO
7	LASER RECIEVER
8	CONTROL BOX
9	BATTERY CHARGER
10	CONTROL BOX TO POWER MAST WIRE CABLE
11	CONTROL BOX TO DIRECTIONAL VALVE WIRE CABLE
12	CONTROL BOX TO TRACTOR BATTERY WIRE CABLE.
13	CONTROL BOX TO LASER RECIEVER WIRE CABLE

DELIVERY CHECKLIST

Dealer Pre-Delivery (Please Tick)

1. Dealer Pre-Delivery Checklist

1. The customer or person responsible has been given the operator's manual.
2. The customer undertakes to read the complete operator's manual and understands all aspects of the manual before operation of the machine.
3. All safety, operational and maintenance information have been explained and demonstrated.
4. All greasing and oil points, stickers, guarding and ID plate have been identified and physically pointed out.
5. The customer agrees that it is his responsibility to read and carry out the safety, maintenance and operation as per this operator's manual.

Please Complete all Dealer information Below

Dealer Information

Dealer's Name.....

Address.....

.....

State..... Postcode.....

Phone..... Fax.....

Email.....

Service Person.....

I confirm that the pre-delivery service was performed on this machine.

Signature.....

Date.....

Comments.....

.....

.....

Customer Delivery (Please Tick)

2. Customer Delivery Checklist

1. The customer or person responsible has been given the operator's manual.
2. The customer undertakes to read the complete operator's manual and understands all aspects of the manual before operation of the machine.
3. All safety, operational and maintenance information have been explained and demonstrated.
4. All greasing and oil points, stickers, guarding and ID plate have been identified and physically pointed out.
5. The customer agrees that it is his responsibility to read and carry out the safety, maintenance and operation as per this operator's manual.

Please Complete all Customer Information Below

Customer Information

Customer's Name.....

Address.....

.....

State..... Postcode.....

Phone..... Fax.....

Email.....

Delivery Person.....

I confirm that all of the delivery checks were explained and performed.

Signature.....

Delivery Date.....

Comments.....

.....

.....

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WARRANTY CARD

Customer Copy

CUSTOMER NAME Mr./ Mrs	:	
ADDRESS	:	
MOBILE NO.	:	
Email	:	
NAME OF IMPLEMENT	:	
MODEL NO.	:	
YEAR OF Mfg.	:	
SERIAL NO.	:	
REGISTRATION NO.	:	
DATE OF PURCHASING	:	
NAME OF DEALER	:	

Customer`s Signature

Dealer`s Signature

Beri Udyog Pvt. Ltd.

Corporate Office : Plot No. 235-236 & 238-240, Sec-3, HSIIDC,
Karnal- 132001 (Haryana), India +91-184-2221571/ 72/ 73
marketing@fieldking.com, exports@fieldking.com, www.fieldking.com

FIELDKING

WARRANTY CARD

Company Copy

CUSTOMER NAME Mr./ Mrs	:	
ADDRESS	:	
MOBILE NO.	:	
Email	:	
NAME OF IMPLEMENT	:	
MODEL NO.	:	
YEAR OF Mfg.	:	
SERIAL NO.	:	
REGISTRATION NO.	:	
DATE OF PURCHASING	:	
NAME OF DEALER	:	

Customer`s Signature

Dealer`s Signature

Beri Udyog Pvt. Ltd.

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WARRANTY CARD

Dealer Copy

CUSTOMER NAME Mr./ Mrs :	
ADDRESS :	
MOBILE NO. :	
Email :	
NAME OF IMPLEMENT :	
MODEL NO. :	
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SERIAL NO. :	
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