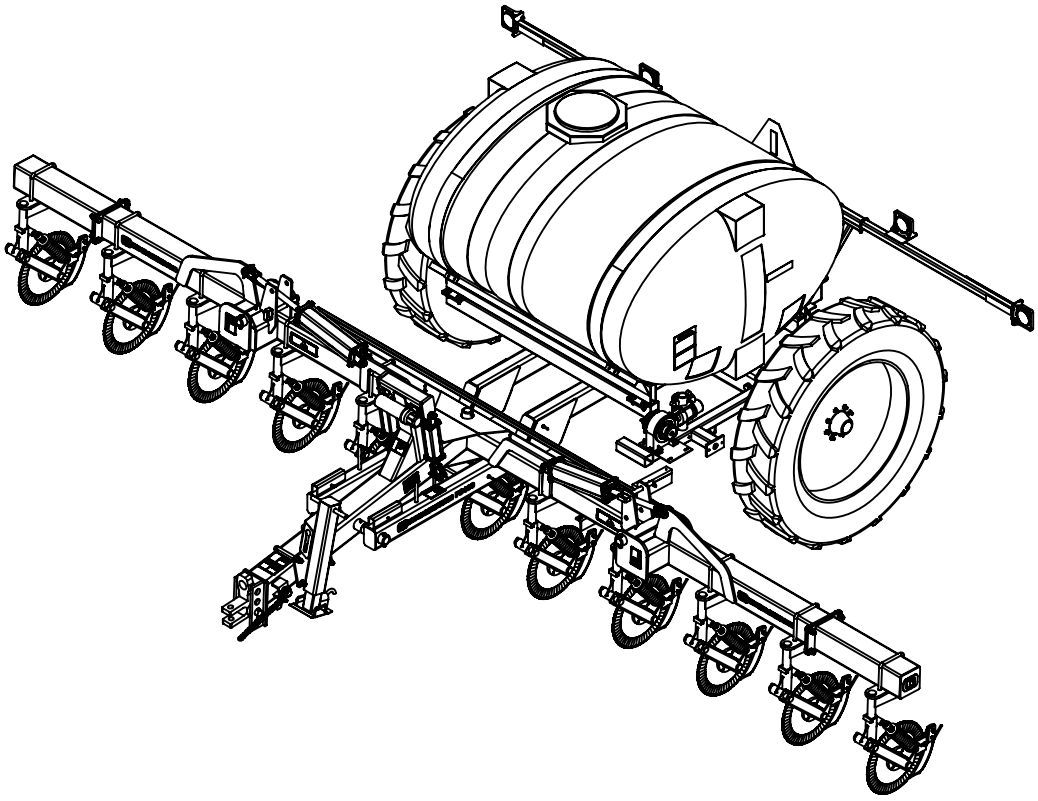
KONGSKILDE F3400

LIQUID SIDEDRESS APPLICATOR-OPERATOR'S MANUAL



Models

F3400

763400915 15' Liquid Sidedress Applicator
763400922 22.5' Liquid Sidedress Applicator
763400927 27.5' Liquid Sidedress Applicator
763400932 32.5' Liquid Sidedress Applicator

F3400T (For 27.5" or 28" Row Spacing)

763400915-T 15' Liquid Sidedress Applicator
763400922-T 22.5' Liquid Sidedress Applicator
763400927-T 27.5' Liquid Sidedress Applicator
763400932-T 32.5' Liquid Sidedress Applicator

*Model may not be exactly as shown.
Kongskilde reserves the right to make changes to product designs and specifications without notice or obligation to rework.
See your local Kongskilde representative for current product specifications and options.

760000234 - Revision 2

Table of Contents

INTRODUCTION

This manual has been developed to assist you in operating and servicing your new Kongskilde product. Read it carefully: it will provide you with information that will enable you to obtain years of dependable service.

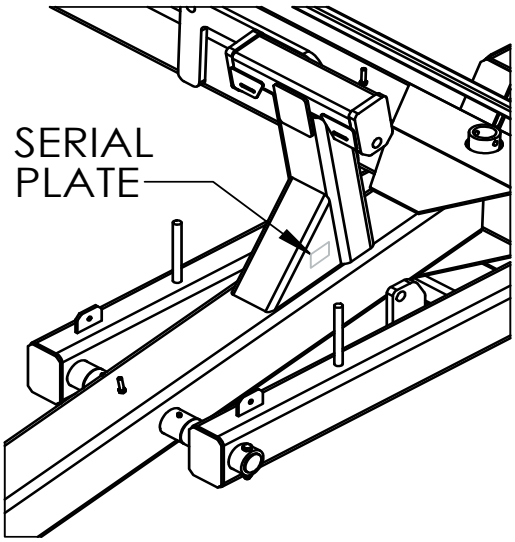
Before attempting to operate this equipment, read, and understand this manual fully and follow all safety precautions. In addition, make sure that every individual who operates or works with this equipment is familiar with these instructions. Observation of these safety precautions will make your farm a safer place to work.

READ THE OWNERS MANUAL BEFORE OPERATING OR SERVICING THE MACHINE

Machine Identification

The machine manufacturer along with the model and serial number are provided on the metal Serial Number Plate located on the lift cylinder tower on the mainframe.

Please record the model and serial number of the machine on the registration form provided in the back of the book and have it ready for reference when making inquiries regarding spare parts or service information.
If your did not receive a warranty registration form, contact your dealer and they will obtain one for you. It is important that the warranty registration be completed and returned to Kongskilde to validate the warranty protection period.



SAFETY ALERT SYMBOL:

This safety symbol, is used to call your attention to instructions concerning the personal safety of the owner or operator.

WARNING! Do not operate this machine unless you have read and understood the instructions and safety information in the Kongskilde Operator's Manual.

Failure to follow the instructions for safe operation of the equipment could result in serious injury or death. Proper care and operation of this implement is your responsibility.

Contact your dealer or Kongskilde for replacement manuals, safety decals and replacement parts.

SAFETY KEY WORDS & ALERTS:

The key words - DANGER, WARNING and CAUTION used alone or in combination with the Safety Hazard Alert Symbol in this Operators Manual and on Safety Decals located on the framework of the machine, are used to identify hazards on or near the implement.

Safety Instructions indicate procedures which must be followed to avoid hazards.

Hazard Alerts are identified by the key word, and the symbol:

DANGER - An immediate hazard which WILL result in severe personal injury or death if the proper precautions are not taken.

WARNING - A potential hazard or unsafe practice which COULD result in serious personal injury or death if the proper precautions are not taken.

CAUTION - A potential hazard or unsafe practice which COULD result in personal injury or in product or property damage if the proper precautions are not taken.

SAFETY DECALS:

Safety Decal Locations:
Safety Decals are located on the framework of the implement. The specific locations are chosen to provide optimal visibility to the operator or bystanders. In the case of hidden or obstructed hazards or safety precautions, the decals may be located on or near the hazard, or other convenient locations near hook-up points, adjustment devices or service points frequently visited by the operator.
Please read and obey all safety decals on the machine. Ensure they are kept clean and in good condition. Kongskilde is committed to safety and provides replacement safety decals and operator manuals at no charge if they become lost, damaged or illegible.
Each safety decal is identified by a part number, and are available through your Kongskilde Dealer.

IMPORTANT NOTICE:
Kongskilde cannot anticipate every possible circumstance that might involve a hazard with this product. The hazard alerts and safety instructions in this publication and on the product are therefore not all inclusive. If a tool, procedure, work method or operating technique not specifically recommended by Kongskilde is used, you must satisfy yourself that is safe for you and others. You must ensure that the implement will not be damaged or made unsafe by the operation, maintenance or repair procedures you choose.
Kongskilde will not be held responsible for any unauthorized modifications made to this product and will immediately void the warranty coverage.

PRODUCT SAFETY PRECAUTIONS

Make certain all safety decals, reflectors and SMV signs are applied to your machine. Refer to your local governmental regulations for more information on proper procedures and markings for safe road transport in your area.

IMPORTANT NOTE: This unit has a narrow transport width and a high center of gravity which may pose a tipping hazard when folded for transport.

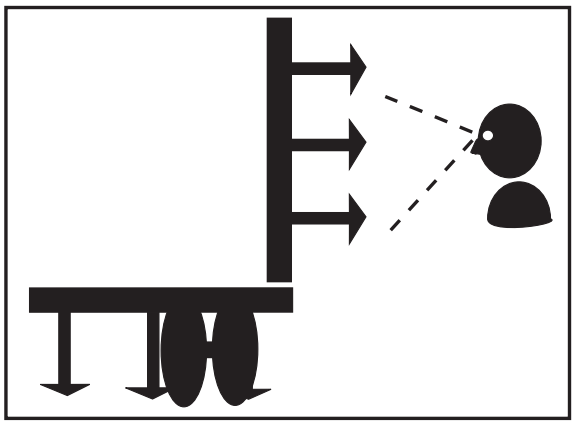
Do not transport over 32 kmh (20 M.P.H.) Reduce speed in adverse weather, when turning or traveling on inclines or uneven ground. Always start and stop slowly..

The operator is responsible at all times to comply with the local government regulations and insure the safe transport of the implement when transporting large or oversized implements on public or private roadways. Careful consideration must be given in order to prevent accidents with other vehicles and avoid coming in contact with obstacles such as: bridges, tunnels, overpasses, guard rails, road signs, traffic lights, power lines, public utilities, and other structures that may be encountered along the chosen route. In some jurisdictions the operator may be required to obtain special permits or arrange for escorts before transporting oversized equipment. Kongskilde is not liable for personal or property damage caused by inappropriate, unauthorized or unsafe transport or operation of equipment.

DANGER! Watch for wires.
Take care when transporting, folding or unfolding the implement around power lines. Serious injury or death to the operator or bystanders will result through direct or indirect contact with power lines.

Never unfold when there are bystanders in the area of the wing fall zone. Be certain all persons are clear of working area in and around the machine whenever folding, unfolding, raising or lowering the machinery or in any way using the hydraulic system.

Be alert when walking around the machinery in the folded transport position to avoid walking into the edge of a sharp blade. Severe head or body injury could result.



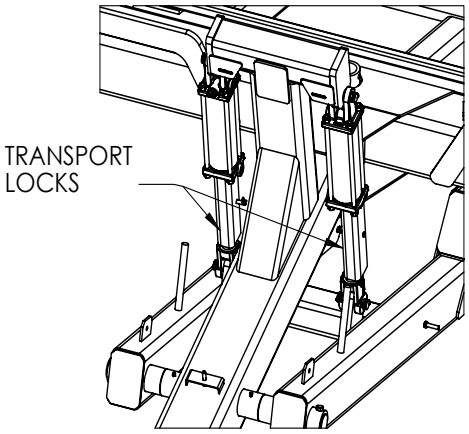
Make sure that the tractor is shifted into park before getting out to remove transport locks and wing fold lock pins. Never remove wing lock pins or transport locks when the implement is sitting on uneven ground where tipping could occur.

Never remove transport lockout devices or unfold the unit unless cylinders are completely full of oil. Failure to properly charge the folding hydraulics with oil could allow the wings to free fall when unfolding, causing damage to the equipment and possible injury to the operator or bystanders. Never fold the implement wings by any mechanical method! Always charge the hydraulic system first and use it to fold and unfold the wings. Stand clear of the machine and watch for overhead hazards or objects in the wing-fall zone when folding and unfolding.

SAFETY DEVICES FOR
Folding and Transporting Implements:

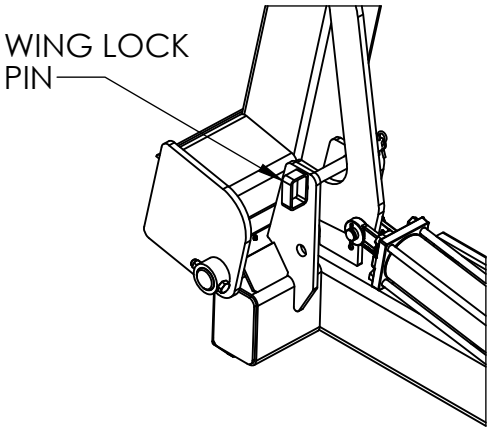
CYLINDER LOCK FOR TRANSPORT CYLINDERS

Insert a safety lock over the centre section master cylinder rod and fasten the pins. Slowly ease the implement down until the lock is wedged firmly in place.



MECHANICAL WING LOCK FOR SAFE TRANSPORT

When the wings are raised and folded for transport, the mechanical system locks wings in transport position with the wing fold lock anchor shown. Proper use of the fold anchor will prevent the wings from falling uncontrollably during transport if a problem occurs with the hydraulic system.



DRAW PIN AND SAFETY TOW CHAIN

Always use an approved hitch pin with safety lock pin when hooking towed implements to the tractor draw bar.

For added security, use a certified safety tow chain to connect the implement to the tractor draw frame before transporting.

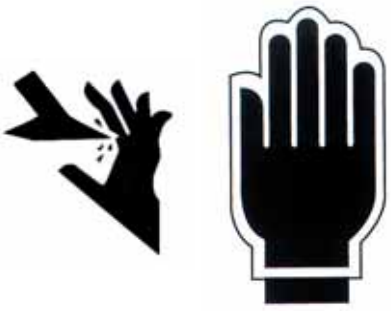
MAINTENANCE & LUBRICATION

Use extreme caution around suspected hydraulic leaks or damaged hose lines. Hydraulic fluid under pressure can be extremely dangerous. Always wear hand and eye protection. Always lower the cultivator to the ground and release hydraulic pressure before performing maintenance to the hydraulic system.

Take care to keep the floor area clean when performing maintenance to the machine. Help protect our environment and prevent injuries from falls by cleaning up any spilled or leaking fluids with absorbent products. Take care to dispose of contaminated rags or absorbents in accordance with your local environmental regulations. Put away tools and roll up any air lines or electrical cords that were used when making repairs to the equipment and dispose of scrap materials or worn out parts in an appropriate manner.

Never crawl under the machine to make repairs or adjustments or replace tines and shares, etc. unless you have properly blocked and supported the cultivator frame. The cultivator must be secured in a fixed position in order to prevent it from moving or falling before making any attempt to work underneath. Use suitable shop stands or lifting devices that can support the entire weight of the implement. Never use cement blocks, bricks, hollow tiles or other props that may crumble or collapse under continuous load.

Wear gloves when changing shares or removing share bolts as the edges can become extremely sharp when worn.



Regularly check all nuts and bolts for tightness and secure if loose. Replace worn out or damaged machine components.
Establish a good routine for regular inspection, lubrication and maintenance in order to keep the machine in good operating condition.

TIRE PRESSURE:

Explosive seperation of tire and rim can result in serious injury or death. To prevent tire explosion, maintain proper tire pressure. Inflating a tire below or above the recommended pressure can result in tire damage (see illustration below). Tires should only be mounted by properly trained personel. Replace damaged or worn tires and rims immediately. Replace all missing lug nuts and bolts.

OPERATING PRESSURE RECOMENDED BY TIRE MANUFACTURER:

Titan 16.5 x 16.....Inflate to 36 psi (248.2 kPa)

Titan 18.4 x 26 .....Inflate to 26 psi (179.2 kPa)

Titan 13.6 x 38 .....Inflate to 42 psi (289.6 kPa)

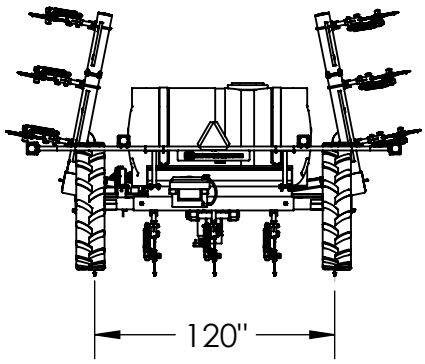
Titan 320/85 R38 .....Inflate to 41 psi (282.7 kPa)

Ground Drive

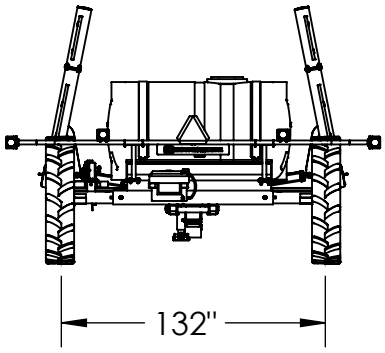
16 x 6.50 x 8 .....Inflate to 28 psi (193 kPa)

4.80 x 8.....Inflate to 42 psi (289.6 kPa)

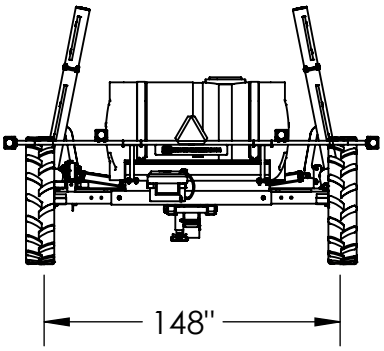
F3400 AXLE TRACK WIDTHS



20", 30", 40"
ROW SPACINGS

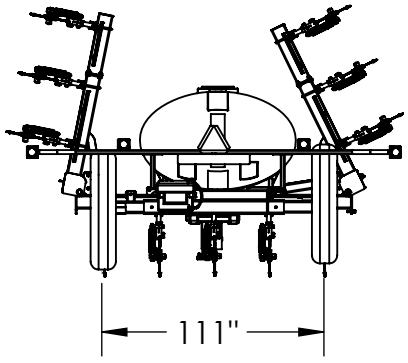


22"
ROW SPACING



36", 38"
ROW SPACINGS

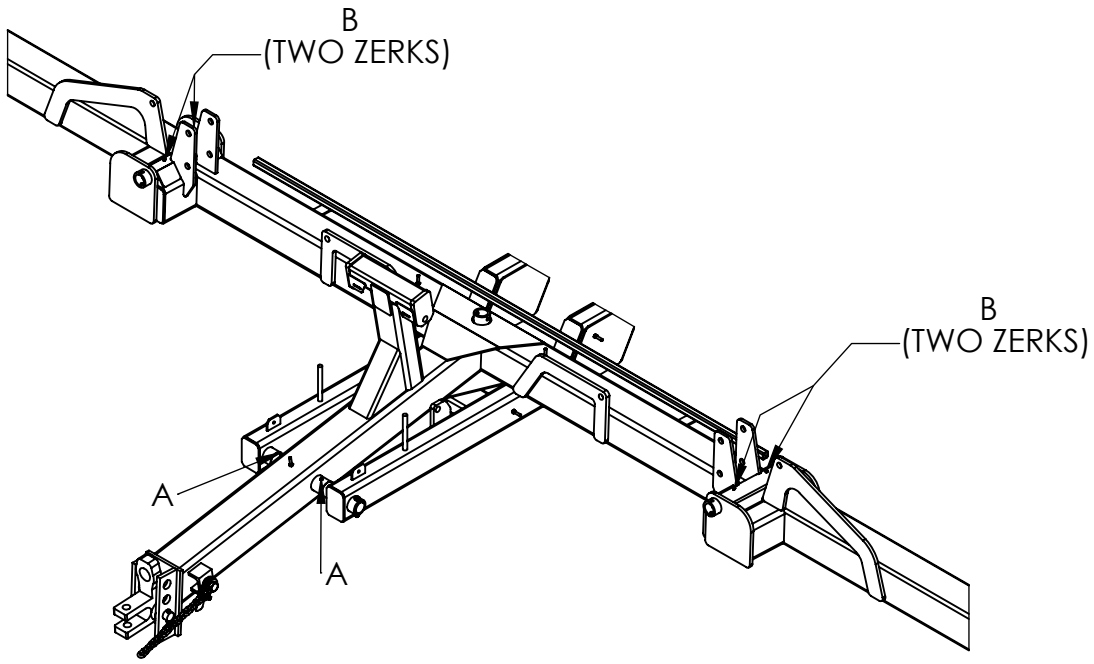
F3400T AXLE TRACK WIDTH



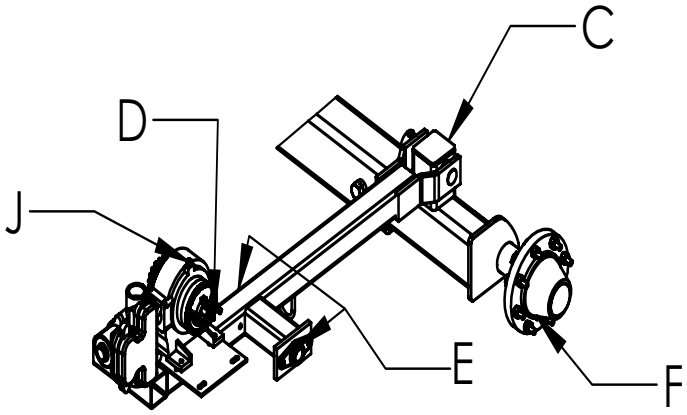
27.5", 28"
ROW SPACINGS

LUBRICATION DIAGRAM

Use multi-purpose Lithium grease.

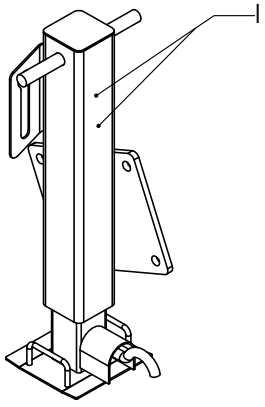


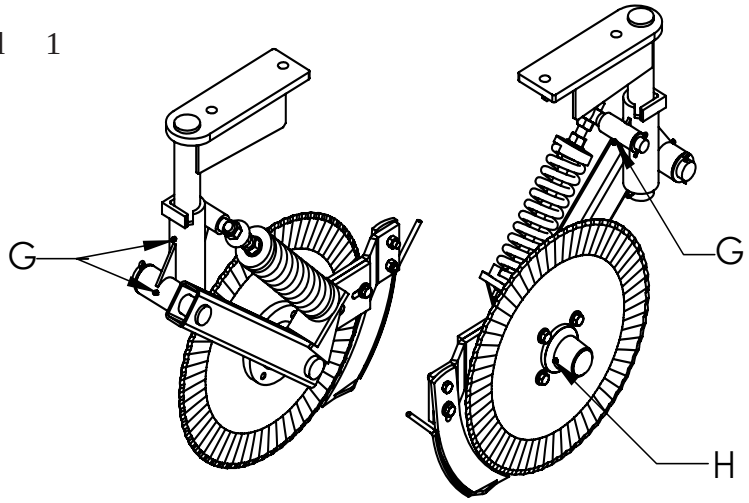
GREASE POINTS	Qty
A. Frame Pivots - 10 hrs	2
B. Wing Pivots - 10 hrs	4
C. Ground Drive Arm Pivot - 10 hrs	1
D. Pump - 10 hrs Single Piston	4
Double Piston	5
E. Bearings - 10 hrs	2
F. Wheel Hub - 10 hrs	2
G. Coulter Swivel Casting-10 hrs	3/unit
H. Coulter Bearing-10 hrs	1/unit
I. Jack- Once per season	2



CHECK OIL

J. Pump - Refer to pump manual 1





FIELD SET-UP INSTRUCTIONS

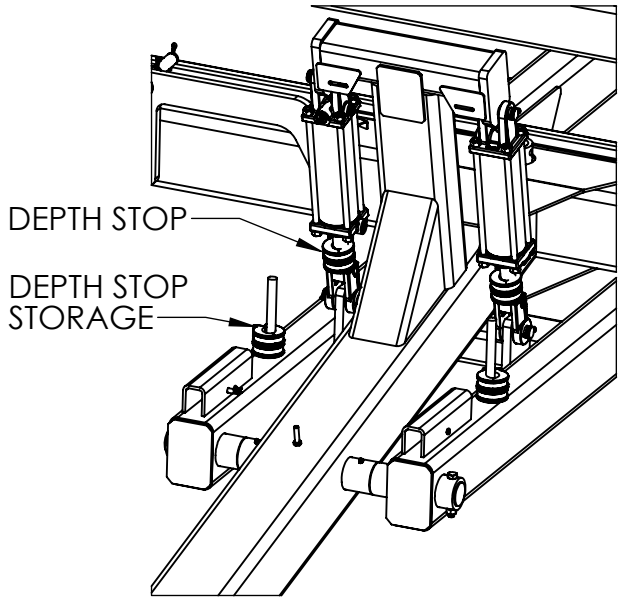
FIELD SET-UP OVERVIEW

1. Adjusting Coulter Depth
2. Adjusting Wing Stops
3. Nozzle/Orifice Charts
4. Ground Drive Pump Application Rate Chart
5. Injector Placement
6. Knife Placement
7. Adjusting Hitch Clevis
8. Ajusting Individual Coulter Depth and Down Pressure
9. Setting Down Pressure Valve

INSTRUCTIONS

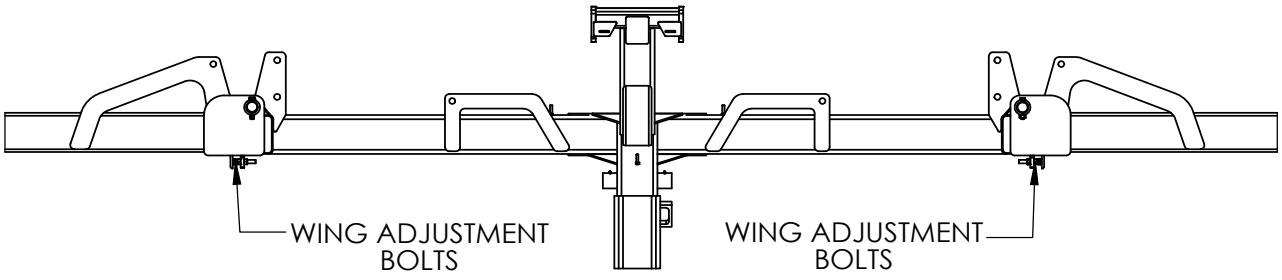
1. ADJUSTING COULTER DEPTH:

To adjust depth, use cylinder stops on lift cylinders. Cylinder stops range in thickness. Select desired thicknesses and place on lift cylinders. Ensure same thicknesses are used on each cylinder. To allow coulters to go deeper, decrease total stop thickness. To raise coulter depth, increase total stop thickness. When not in use, store depth stops on depth stop storage rod as shown below.



2. ADJUSTING WING STOPS:

Adjust levelness of wings by using wing stop bolts on either side of mainframe. Adjust bolt out to raise wings, adjust bolt in to lower wings. Use measuring device or count number of threads to ensure each bolt on one side is equally adjusted.



3. NOZZLES (INJECTORS)/ORIFICE PLATES (KNIFE) CHARTS:

KONGKSILDE INDUSTRIES

19500N. 1425E Rd HUDSON IL. 61748

NOZZLES FOR USE WITH LIQUID INJECTOR KIT

(Order 1 per row)

SPRAY NOZZLES Progressive Part # Tip #	PSI	Capacity One Nozzle In GPM	Gal. per acre - 30" Centers 4 MPH	6 MPH	8 MPH
701006 TP0004-SS	10	0.20	9.9	6.6	5
	20	0.28	13.9	9.2	6.9
	30	0.35	17.3	11.6	8.7
	40	0.40	19.8	13.2	9.9
701007 TP0006-SS	10	0.30	14.9	9.9	7.4
	20	0.42	21	13.9	10.4
	30	0.52	26	17.2	12.9
	40	0.60	30	19.8	14.9
701005 TP0008-SS	10	0.40	19.8	13.2	9.9
	20	0.57	28	18.8	14.1
	30	0.69	34	23	17.1
	40	0.80	40	26	19.8
701000 TP0010-SS	10	0.50	25	16.5	12.4
	20	0.71	35	23	17.6
	30	0.87	43	29	22
	40	1.00	50	33	25
701001 TP0015-SS	10	0.75	37	25	19
	20	1.06	52	35	26
	30	1.30	64	43	32
	40	1.50	74	50	37
701002 TP0020-SS	10	1.00	50	33	25
	20	1.41	70	47	35
	30	1.73	86	57	43
	40	2.00	99	66	50
701003 TP0030-SS	10	1.50	74	50	37
	20	2.12	105	70	52
	30	2.60	129	86	64
	40	3.00	149	99	74
701004 TP0040-SS	10	2.00	99	66	50
	20	2.83	140	93	70
	30	3.46	171	114	86
	40	4.00	198	132	99

ORIFICE PLATES FOR USE WITH LIQUID KNIFE KIT

(Order 1 per row)

To determine the orifice plate needed, use the following equations:

$$\text{GPM (Per Nozzle)} = \frac{\text{GPA} \times \text{MPH} \times \text{W (Row Spacing)}}{5940}$$

$$\text{GPA} = \frac{5{,}940 \times \text{GPM (Per Nozzle)}}{\text{MPH} \times \text{W}}$$

ORIFICE PLATES Progressive Part # Orifice #	Gallons per minute (GPM) 20 PSI	30 PSI	40 PSI	ORIFICE PLATES Progressive Part # Orifice #	Gallons per minute (GPM) 20 PSI	30 PSI	40 PSI
701015 CP4916-65	0.369	0.452	0.522	701019 CP4916-125	1.390	1.700	1.960
701016 CP4916-72	0.453	0.544	0.640	701013 CP4916-128	1.440	1.770	2.040
701009 CP4916-78	0.544	0.667	0.770	701017 CP4916-151	2.080	2.550	2.940
701010 CP4916-86	0.664	0.813	0.939	701014 CP4916-156	2.200	2.690	3.110
701012 CP4916-95	0.808	0.990	1.140	701018 CP4916-182	2.950	3.610	4.170
701011 CP4916-107	1.040	1.270	1.470				

4. GROUND DRIVE PUMP APPLICATION RATE CHART:

KONGSKILDE INDUSTRIES
APPLICATION RATE: GALLONS PER ACRE

PUMP SPROCKET (18 TEETH) WHEEL SPROCKET (36 TEETH) LOADED RADIUS: 7.5" TIRE: 4.80 X 8

JOHN BLUE NGP-7055 (SINGLE PISTON) PUMP

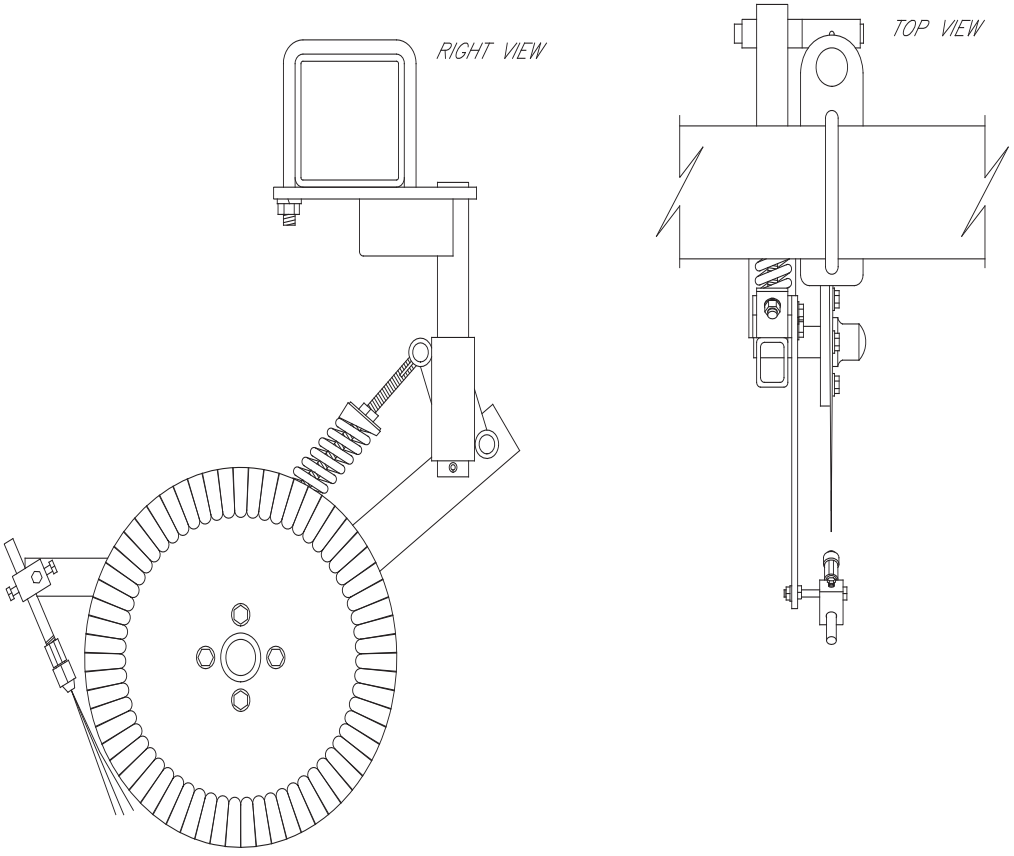
PUMP SETTING	SWATH WIDTH (INCHES)										
	180	200	220	240	260	280	300	320	340	360	480
1.0	11	10	9	8	8	7	7	6	6	6	N/A
1.5	17	15	14	13	12	11	10	9	9	8	N/A
2.0	22	20	18	17	15	14	13	13	12	11	N/A
2.5	28	25	23	21	19	18	17	16	15	14	10
3.0	33	30	27	25	23	21	20	19	18	17	13
3.5	39	36	32	30	27	25	24	22	21	20	15
4.0	45	41	37	34	31	29	27	25	24	23	17
4.5	51	46	41	38	35	33	30	28	27	25	19
5.0	56	51	46	42	39	36	34	32	30	28	21
5.5	62	56	50	46	43	40	37	35	33	31	23
6.0	67	61	55	50	47	43	40	38	36	34	25
6.5	73	66	60	55	51	47	44	41	39	37	28
7.0	78	71	64	59	54	50	47	44	41	39	30
7.5	84	76	69	63	58	54	50	47	44	42	32
8.0	89	81	73	67	62	58	54	50	47	45	35
8.5	95	86	78	71	66	61	57	53	50	48	37
9.0	101	91	83	76	70	65	61	58	54	51	39
9.5	107	96	87	80	74	69	64	60	58	53	41
10.0	112	101	92	84	78	72	67	63	59	56	43

JOHN BLUE NGP-9055 (DOUBLE PISTON) PUMP

PUMP SETTING	SWATH WIDTH (INCHES)										
	180	200	220	240	260	280	300	320	340	360	480
1.0	22	20	18	17	15	14	13	13	12	11	N/A
1.5	33	30	27	25	23	21	20	19	18	17	N/A
2.0	44	40	36	33	31	29	27	25	24	22	N/A
2.5	56	50	45	42	38	36	33	31	29	28	20
3.0	67	60	55	50	46	43	40	38	36	33	25
3.5	79	71	65	59	55	51	47	44	42	39	30
4.0	90	81	74	68	62	58	54	51	48	45	35
4.5	101	91	83	76	70	65	61	57	54	51	39
5.0	112	101	92	84	78	72	67	63	59	56	43
5.5	123	111	101	93	85	79	74	69	65	62	47
6.0	134	121	110	101	93	86	81	76	71	67	51
6.5	147	132	120	110	102	94	88	83	78	73	54
7.0	157	141	128	118	108	101	94	88	83	78	60
7.5	168	151	137	126	116	108	101	94	89	84	63
8.0	179	161	146	134	124	115	107	101	95	89	69
8.5	190	171	155	143	132	122	114	107	101	95	72
9.0	202	182	165	152	140	130	121	114	107	101	78
9.5	213	192	175	160	148	137	128	120	113	107	82
10.0	224	202	184	168	155	144	135	126	119	112	86

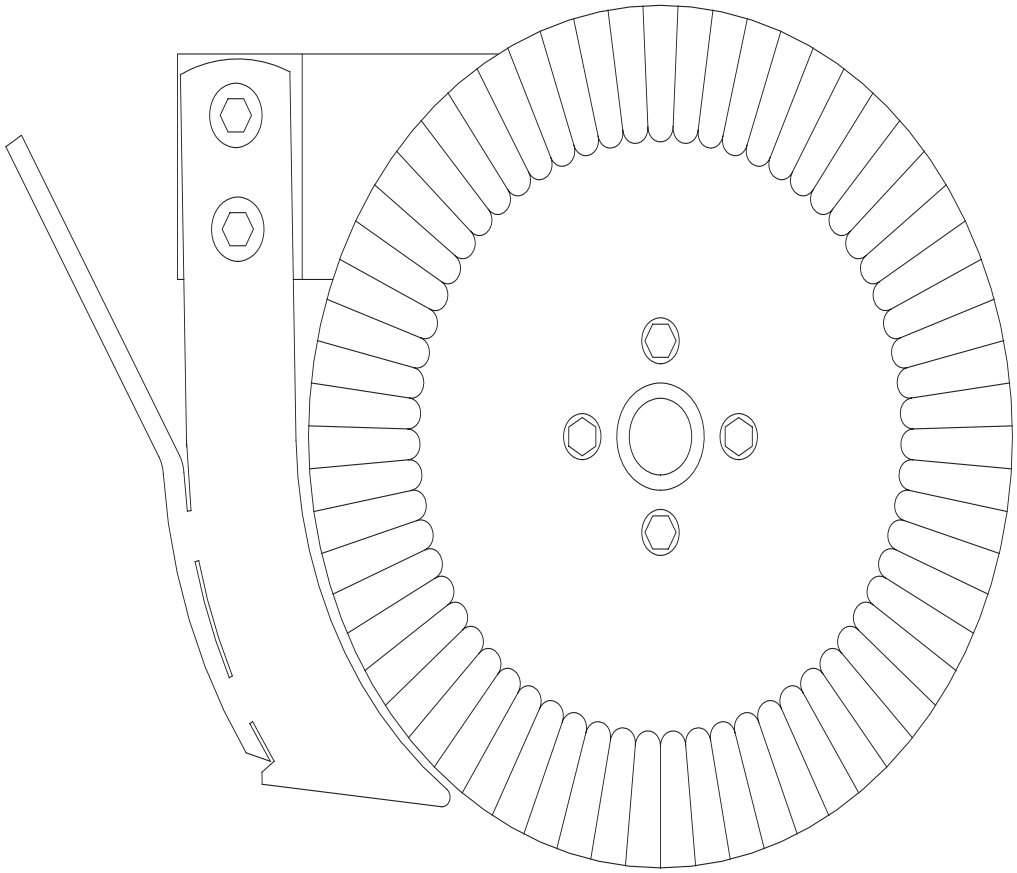
5. INJECTOR PLACEMENT:

Nozzle must be set so that stream just misses coulter. This ensures nitrogen is injected to maximum depth of coulter. This placement reduces chances of splatter. Proper size nozzle should be chosen to maintain 40 to 60 p.s.i. for the rate and speed being used.



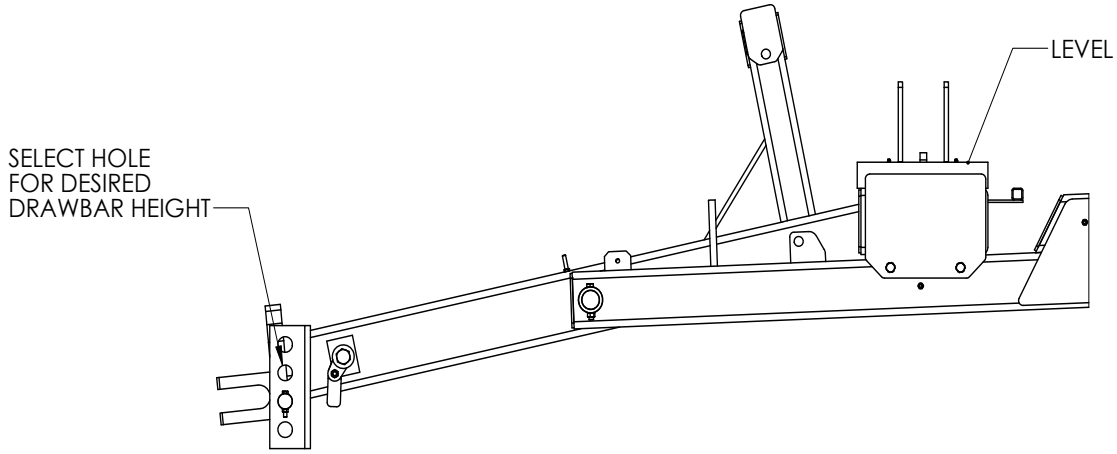
6. KNIFE PLACEMENT:

Place point of knife as close to disc as possible without touching, then move top of knife back away from coulter 1/4". Ensure knife is centered with disc blade. Use shims as needed to center knife.



7. ADJUSTING HITCH CLEVIS:

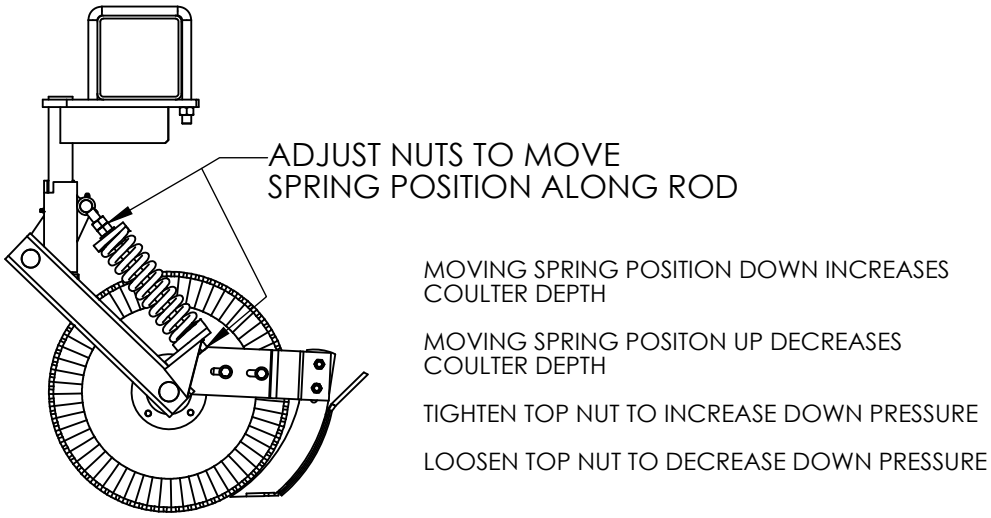
i. Lower coulter toolbar to working depth.
ii. Raise hitch with jack until coulter toolbar is level.
iii. Install clevis on hitch for desired drawbar height.



8. ADJUSTING INDIVIDUAL COULTER DEPTH AND DOWN PRESSURE

i. Coulter Depth- Equally adjust nuts on top and bottom of spring to move spring positon along rod. Moving spring position down the rod increases coulter depth while moving spring position up decreases coulter depth.

ii. Down Pressure-Tighten top nut to increase down pressure. Loosen top nut to decrease down pressure.



9. SETTING DOWN PRESSURE VALVE:

NOTE: Down Pressure Valve compatible with "Closed Center" hydraulic systems only. If tractor does not have a closed center hydraulic system, down pressure valve must be removed and replaced with tee fittings. Hydraulic outflow to downpressure valve must be reduced to maximum 10 GPM. Failure to do so will result in damage to system and extreme heat generation.

i. Connect hose from downpressure valve “IN” port to corresponding rear remote for unfolding wings.

ii. Reduce wing fold circuit rear remote outlet flow on tractor below maximum 10 gpm.

iii. Remove wing lock pins.

iv. Screw in bleedoff adjustment knob completely.

v. Lower wings, leave hydraulic output engaged (in detent position).

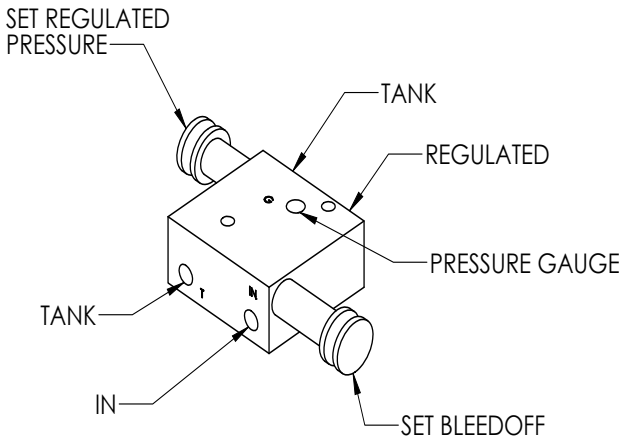
vi. Adjust pressure to 2300 psi by screwing in/out regulated pressure knob.

vii. Adjust pressure to 2200 psi using bleedoff adjustment knob.

viii. Once pressure has been adjusted with bleedoff knob, adjust pressure with regulated pressure knob to 1200 psi. Adjust regulated pressure knob as necessary for optimum performance based on field and soil conditions.

ix. Secure knob positions by tightening lock collars.

NOTE: Do not adjust downpressure higher than 2200 psi.



TROUBLESHOOTING

OPERATIONAL TROUBLESHOOTING:

Problem	Cause	Remedy
1) Ground drive tire won't engage.	Toolbar not level causing pump to be raised	Level toolbar. See Field Set-up Instruction #6
2) Individual coulter won't penetrate ground.	a) Insufficient spring tension	Increase coulter spring tension. See Field Set-up Instruction #7
	b) Coulter too shallow	Increase coulter depth. See Field Set-up Instruction #7
3) Coulters not penetraing hard ground.	Upward force on hitch, play in hitch clevis	Raise clevis up one hole. Use washers on hitch pin between drawbar and clevis to tighten hitch connection.
4) Wing coulters shallower than center coulters.	a) Wings not lowered enough	a) Adjust wing stop bolts. See Field Set-up Instruction #2
	b) Wing cylinder fully extended, needs extended further	b) Remove cylinder pin on rod end. Loosen cylinder clevis set screw. Unscrew clevis 1/2 turn. Tighten set screw. Reinstall cylinder pin. Adjust wing stop bolts. See Field Set-up Instruction #2

HYDRAULIC TROUBLE SHOOTING CHART

Problem	Cause	Remedy
1) Hydraulic cylinders do not work in unison. Cylinders seem spongy.	Air in System	Raise implement to highest transport position. Hold the hydraulic lever on the tractor in the "raise" position for approx. 30 seconds. Cycle cylinder.
2) One wing raises while the other lowers.	Hose connections wrong.	Check circuit according to the hose layout diagram.
3) One section of implent settles down in use	a) External leak from cylinder b) Internal leak in cylinder	Repair leaking component Install new cylinder seal kit in section that settles.
4) Both wing sections settle	Tractor valve leaking back	To check, remove hose from the tractor when wings are level. This eliminates tractor valve from circuit. CAUTION: Make certain your tractor connections safely allow this operation.
5) Air returns to system causing problems 1, 3, 4 to reoccur.	a) Air entering system. b) See item 3	Check tractor oil level. Check tractor hydraulic pump. See item 3. Note: A mixture of oil and air forms a foam which may give unexpected results. It may take a few hours use before all foam is expelled

Problem	Cause	Remedy
6) Entire machine settles.	a) External leak in lift cylinder circuit. b) Internal leak in lift cylinder c) Tractor valve leaking back	Repair leaking component. Install new cylinder seal kits. To check, remove hose from the tractor when wings are level. This eliminates tractor valve from circuit. CAUTION: Make certain your tractor connections safely allow this operation.
7) Implement settles in transport or while parked.	Not using the transport lock.	The hydraulic system is not intended to hold the implement up permanently. A slow settling when not in use is
8) Center section is not level or goes out of level in use.	Unequal thickness depth stops on lift cylinders	Use same thickness depth stops on lift cylinders

Notes:

WARRANTY

Kongskilde Limited and / or Kongskilde Incorporated, hereinafter referred to as Kongskilde, as manufacturer, warrants to the original retail purchaser of its products, that the products are constructed free from manufacturing defects. This warranty covers all Kongskilde group products including the brand names; Kongskilde, Overum, Howard and Progressive.

The Kongskilde obligation under this warranty is expressly limited, at their option, to the replacement or repair of such parts, as inspection shall disclose to have been defective, within 365 days from the date of delivery. Repair or replacement of defective part(s), to be made at an authorized Kongskilde dealer location, transportation charges prepaid by the end user.

No warranty of any kind is made by Kongskilde with regard to products which have been subject to normal wear, misuse, abuse, negligence or accident, or have been altered or repaired in any manner not authorized by Kongskilde or if repairs have been made with parts other than those obtainable from Konskilde.

This warranty is subject to any conditions of supply, which may directly affect our ability to obtain materials or manufacture replacement parts.

Kongskilde reserves the right to make improvements in design or change in specifications at any time, without incurring any obligations to owners of units previously sold.

This warranty shall not be interpreted to render us liable for injury or damages of any kind of nature, direct, consequential, or contingent to person or property.

This warranty does not extend to loss of crops, loss because of delay or any expense of loss incurred for labor, supplies, substitute machinery, rental, or for any other reason.

Any defects in components purchased by Kongskilde as complete units for installation in or with Kongskilde equipment, will only be covered to the extent that the original manufacturer warrants them to Kongskilde, e.g.. Hydraulic cylinders, bearings, tires, etc.

Kongskilde makes no other express warranty, nor is anyone authorized to make any on behalf of Kongskilde.

THIS WARRANTY IS EFFECTIVE ONLY WHEN THE “WARRANTY REGISTRATION FORM" HAS BEEN COMPLETED AND RETURNED WITHIN 20 DAYS FROM THE TIME OF SALE TO THE ORIGINAL RETAIL PURCHASER.

KONGSKILDE INDUSTRIES INC.
19500 N 1425 EAST ROAD
HUDSON, IL 61748
Tel: 866-214-5664 / Fax: 866-264-5664

OWNER REGISTRATION & WARRANTY FORM

Covering Kongskilde, Overum, Howard and Progressive Products.

To initiate warranty coverage, this form must be filled out and signed by both Dealer and Owner at time of delivery and returned to:

KONGSKILDE INDUSTRIES INC.
19500 N 1425 EAST ROAD
HUDSON, IL 61748
Tel: 866-214-5664 / Fax: 866-264-5664

FAILURE TO COMPLETE AND FILE THIS REPORT OR ANY FALSE INFORMATION WILL INVALIDATE THE WARRANTY.

ITEM:.....	DELIVERY DATE:.....
MODEL #:.....	SERIAL #:.....
DEALER:.....	OWNER:.....
ADDRESS:.....	ADDRESS:.....
CITY:.....	CITY:.....
PROV/STATE:.....	PROV/STATE:.....
ZIP/P. CODE:.....	ZIP/P. CODE:.....
PHONE NUMBER:.....	PHONE NUMBER:.....

Dealer's Statement:
I have conducted a pre-delivery inspection and have thoroughly instructed the customer on the equipment described above. I have reviewed the owner's manual content including; proper equipment care, adjustments, safe operating practices and the attached warranty policy. I confirm that this equipment was assembled properly as directed by the manufacturer and that the safety equipment and decals provided have been installed and the unit is ready for delivery.

Dealer's Signature:..... Date:.....

Owner's Statement:
The above equipment appears to be set up properly and in good condition. I have been thoroughly instructed as to the proper care, adjustments and safe operating practices and use of the safety devices provided for this equipment. I have reviewed and received my copy of the owner's manual and warranty policy. I agree to accept delivery and responsibility for the safe operation, care and maintenance of this equipment in accordance with the local regulations and the warranty policy.

Owner's Signature:..... Date:.....

ORIGINAL COPY TO KONGSKILDE, HUDSON
2nd COPY TO DEALER
3rd COPY TO CUSTOMER