# **FH-AGL Ditch Bank**







SCAN ME AND WATCH THE ASSEMBLY VIDEO!
TIGHTEN ALL NUTS AND BOLTS BEFORE USING!

# **OPERATION & PARTS MANUAL**

Please read these instructions before using. Always grease all fittings and be sure to always check and fill with oil before operating! Retain this manual for future use.







# **BETSTCO**

**AGL Series Assembly Instructions** 

tep # 0: Removing Unit from Shipping Frame

**Tools Needed** 



Angle Grinder or Metal cutting tool



# **BETSTCO**

**AGL Series Assembly Instructions** 

Step # 1: Install Belt Cover

Tools Needed





Grease Gun and 18mm socke

# **BETSTCO**

**AGL Series Assembly Instructions** 

Step # 1: Install Belt Cover

Parts Needed



Belt Cover









# **BETSTCO**

**AGL Series Assembly Instructions** 

Step # 2: Install Swing Arms

Tools Needed



Hammer and 36mm socket

# **BETSTCO**

**AGL Series Assembly Instructions** 

Step # 2: Install Swing Arms

**Parts Needed** 



Swing Arms









# **BETSTC**

AGL Series Assembly Instructions

Step # 3: Install 3 Point Hoop

**Tools Needed** 



# **BETSTCO**

**AGL Series Assembly Instructions** 

Step # 3: Install 3 Point Hoop

Parts Needed









# **BETSTCO**

**AGL Series Assembly Instructions** 

Step # 4: Install Swing Arm Cylinder & Hoses

**Tools Needed** 





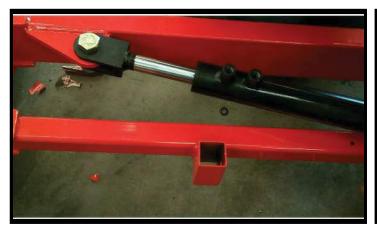
**AGL Series Assembly Instructions** 

Step # 4: Install Swing Arm Cylinder & Hoses

Parts Needed









# **BETSTCO**

**AGL Series Assembly Instructions** 

Step # 5: Install Kickstand

Tools Needed

to Tools Needed

# **BETSTCO**

**AGL Series Assembly Instructions** 

Step # 5: Install Kickstand

Parts Needed



Kick Stands







# **BETSTC**

**AGL Series Assembly Instructions** 

Step # 6: Fill Gear Oil

Tools Needed





80-90 weight gear oil & 19mm wrench









**AGL Series Assembly Instructions** 

Step # 7: Lube Rollers and Grease Zerks

Tools Needed



















**AGL Series Assembly Instructions** 

Step # 9: Lube PTO Shaft

Tools Needed











Contact our support desk for any questions or concerns at (541)895-3083

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Before operating the flail mower read the following safety instructions. Failure to comply with these warnings may result in serious injury or death.

CONGRATULATIONS! On the purchase of your new Farmer-Helper Flail Mower. This information is to assist you in preparing, operating and maintaining your flail mower. Please read and understand the information completely before operating your mower, paying special attention to all the safety details. Keep this manual handy for a ready reference.

#### 1.1 SAFETY FIRST

YOU are responsible for the SAFE operation and maintenance of your flail mower. YOU must ensure that you and anyone else who is going to operate, maintain or work around the flail mower is familiar with the operating and maintenance procedures and related SAFETY information contained in this manual. This manual will take you step-by-step through your working day and alert you to all good safety practices that should be adhered to while operating the flail mower.

Remember, YOU are the key to safety. Good safety practices not only protect you but also the people around you. Make these practices a working part of your safety program. Be certain that EVERYONE operating this equipment is familiar with the recommended operating and maintenance procedures and follows all the safety precautions. Most accidents can be prevented. Do not risk injury or death by ignoring good safety practices.

- 1 Flail mower owners must give operating instructions to operators or employees before allowing them to operate the machine.
- 2 The most important safety feature on this equipment is a SAFE operator. It is the operator's responsibility to read and understand ALL safety and operating instructions in the manual and to follow these. All accidents can be avoided.
- 3 A person who has not read and understood all operating and safety instructions is not qualified to operate the machine. An untrained operator jeopardizes himself and bystanders to possible serious injury or death.
- 4 Do not modify the equipment in any way. Unauthorized modification may weaken the function and/or safety and could affect the life of the equipment.
- 5 Think SAFETY! Work SAFELY!

#### 1.2 GENERAL SAFETY

- 1. Read the operator's manual and all safety signs carefully before operating, maintaining, adjusting or removing the flail mower.
- 2. Do not allow passengers to ride on the flail mower
- 3. Operate only at safe distance from bystanders. Clear the area of people, especially small children, before starting.
- 4. Stop PTO before dismounting tractor.
- 5. Keep feet and hands away from under flail mower at all times.
- 6. Keep all shields in place. If shield removal becomes necessary for repairs, replace the shield prior to use.

- Do not stay between the tractor and the Flail Mower.
- 8. Do not approach the Flail mower until all motion has stopped.
- All rotary blades have the ability to discharge objects at high speeds, which could result in serious injury to bystanders or passers-by, use with extreme caution.
- Place all controls in neutral, stop tractor engine, set park brake, remove ignition key and wait for all moving parts to stop before servicing, adjusting, repairing, attaching or removing.
- Review safety related items annually with all personnel who will operate or maintain the Flail mower.
- Do not operate machine if you feel unwell or physically unfit, in which case you should stop working.
- 13. This machine was designed with safety very much in mind. However, there is no real substitute for caution and attention in preventing accidents. Once an accident has happened, it is too late to think about what you should have done.
- 14. Use a tractor equipped with a Roll Over Protective Structure (ROPS). Always wear your seat belt. Serious injury or even death could result from falling off the tractor – particularly during a turnover when the operator could be pined under the ROPS or the tractor.
- Never exceed the limits of a piece of machinery. If its ability to do a job, or to do so safety, is in question – DON'T TRY IT.
- Clear working area of stones, branches or hidden obstacles that might be hooked or snagged, causing injury or damage.

#### 1.3 OPERATING SAFETY

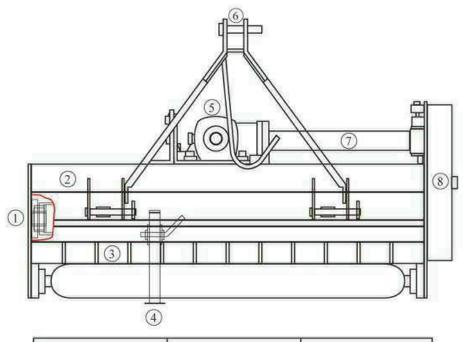
- Read and understand the Operator's Manual and all safety signs before operating, servicing, adjusting, repairing or removing.
- 2. Do not allow riders.
- 3. Install and secure all guards and shields before starting or operating.
- Keep hands, feet, hair and clothing away from moving parts.
- Place all controls in neutral, stop tractor engine, set park brake, remove ignition key and wait for all moving parts to stop before servicing, adjusting, repairing, attaching or removing.
- Place all tractor and machine controls in neutral before starting.
- 7. Never start or operate machine unless sitting on tractor seat.
- 8. Clear the area of bystanders, especially small children, before starting
- 9. Stay away from PTO shaft and machine when engaging PTO. Keep others away.
- 10. Use warning lights on tractor when transporting.
- 11. Do not put hands or feet under machine while tractor engine or machine is running.
- 12. Do not operate Flail mower in the raised position.
- Objects can be thrown out from under machine with sufficient force to severely injure people.
   Stay away from machine when it is running. Keep others away.
- 14. Always know what you are cutting. Never operate Flail mower in an area that has hidden obstacles. Remove sticks, stones, wire or other objects from working area before starting.
- 15. Review safety instructions with all operators annually.

#### 1.4 STORAGE SAFETY

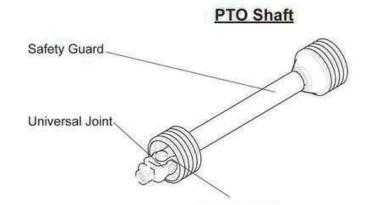
- Store the machine in an area away from human activity.
- 2. Do not permit children to play on or around the stored machine.
- 3. Store the machine in a dry, level area.
- 4. Clean grease and oil as required and protect it from the elements.

#### 1.5 MAINTENANCE SAFETY

- 1. Good maintenance is your responsibility. Poor maintenance is an invitation to trouble.
- 2. Follow good shop practices.
- 3. Keep service area clean and dry.
- 4. Be sure electrical outlets and tools are properly grounded.
- 5. Use adequate light for the job at hand.
- Make sure there is plenty of ventilation. Never operate the engine of the tractor in a closed building. The exhaust fumes may cause asphyxiation.
- Before working on this machine, shut off the engine, set the brakes, and remove the ignition key.
- 8. Never work under equipment unless it is secured by a mechanical stand.
- Use personal protection devices such as eye, hand and hearing protectors, when performing any service or maintenance work. Use heavy gloves when handling blades.
- 10. Only use genuine parts for service and maintenance.
- 11. A fire extinguisher and first aid kit should be kept readily accessible while performing maintenance on this equipment.
- Periodically tighten all bolts, nuts and screws and check that all pins are properly installed to ensure unit is in a safe condition.
- When completing a maintenance or service function, make sure all safety shields and devices are installed before placing machine in service.



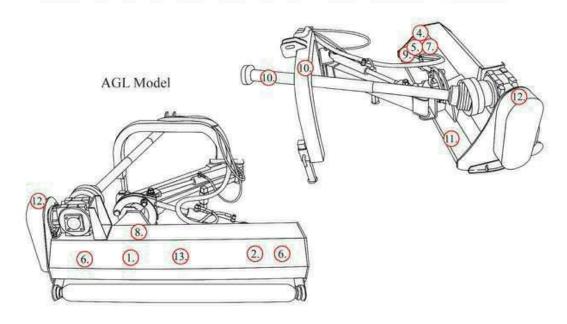
1. Blade axle	2. Blade	e axle cover	3. Combined fender	
4. Stand	5. Gear	box	6. Top Link Bracket	
7. Transmission shaft		8. Belt & Pul	ley Cover	



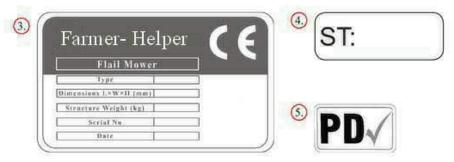
### **CHAPTER 2. SAFETY DECALS**

#### SAFETY & MODEL DECAL

The position of safety decals are shown in the illustrations below. Good safety requires that you familiarize yourself with the various safety signs, and increase your SAFETY AWARENESS.



Farmer-Helper



#### **CHAPTER 2. SAFETY DECALS**





STOP

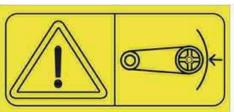
CHECK GEARBOX
OIL LEVEL
BEFORE START UP!!







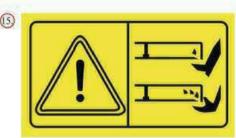




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### **CHAPTER 2. SAFETY DECALS**







### **CHAPTER 3. PRODUCT SPECIFICATIONS**

#### 3.1 Product No.

FLAIL MOWER MODELS

AGL

Verge Hydraulic Reach Flail, Medium Duty

#### 3.2 Implement Specifications

Farmer-Helper A	GL Ditch Bank	Flail Mowers S	pecifications
Models	FH-AGL125	FH-AGL145	FH-AGL165
Working Width	48"	57"	65"
Overall Width	54"	63"	71"
Required HP	20Hp+	25Hp+	30Hp+
Minimum Weight Tractor & Loader	3400 lbs	4000 lbs	4600 lbs
Hitch	Cat.1	Cat.1	Cat.1
Gear Box Rating	65Hp	65Hp	65Hp
Pivot Offset*	44" Right	53" Right	61" Right
Vertical Pivot	150 Degrees	150 Degrees	150 Degrees
"Y" Grass Blades	40 Blades Installed	48 Blades Optional	56 Blades Optional
Hammer Blades	20 Hammer Blades Optional	24 Hammer Blades Installed	28 Hammer Blades Installed
Housing Thickness	1/4"	1/4"	1/4"
SidePlate Thickness	1/4"	1/4"	1/4"
Roller Dia.	4"	4"	4"
Rotor Shaft Dia.	4 1/2"	4 1/2"	4 1/2"
Blade Swing	14"	14"	14"
No. of Belts	3 Belts	3 Belts	4 Belts
3-PT. Cat-I Conn. Width	28" - 29"	28" - 29"	28" - 29"
DriveLine Type	6-Spline 62" w/ Shear Bolt	6-Spline 62" w/ Shear Bolt	6-Spline 62" w/ Shear Bolt
CAN DESCRIPTION OF THE PARTY OF		The second secon	
Warranty	2 Years	2 Years	2 Years
Warranty Weight	2 Years 675lbs.	2 Years 751lbs	2 Years 895lbs

HYDRAULIC REQUIREMENTS - Hydraulic source must be constant flow for powering Control Valve. WE RECOMMEND use of Front Loader Style Control Valve with Float option. Float spool connected to the vertical pivoting cylinder will allow mower to float and naturally follow the ground contour. Valve, Hose, & Fittings Kit # AGL-VLVHSK

<sup>\*</sup> Total Right offset based on 54" tractor wheel width

### **CHAPTER 3. PRODUCT SPECIFICATIONS**

#### Uses:

Perfect for use after storms when debris is scattered throughout areas usually maintained with normal mowers ~ Multi-purpose machines for mulching foliage and sticks ~ ideal for thick grass, sticks, undergrowth and light vine mulching ~ vegetable & pasture topping ~ roadside maintenance.

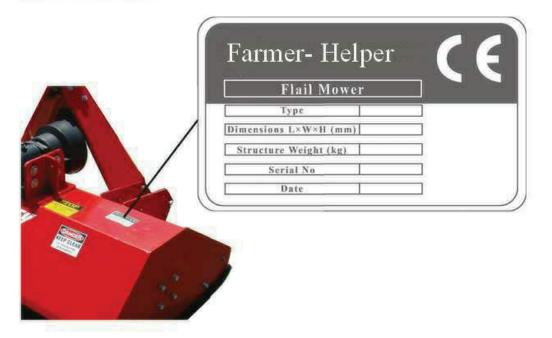
#### Features:

Cutting height controlled by adjustable skids ~ high strength mulching blades ~ belt driven ~ safety flaps to prevent debris being thrown ~ extra strong and designed with safety in mind ~ support leg for storage ~ solid hitch ~FC-120/160 models include hydraulic flail catcher.

#### 3.3 Identification of the Implement

An Identification plate is affixed to the frame of each implement. It contains the "CE" Certification brand and information about: the Manufacturer, Model, Serial Number, Year of Manufacture and Weight.

#### **CE Identification Plate**



#### 4.1 CHECKING BEFORE OPERATING

Before operating the machine, the following areas should be checked off:

- Before starting up the machine, check and Lubricate all grease points, on the machine and drive shaft.
- 2. Use only an agricultural tractor with horsepower within limits of the implement.
- Check that the machine is properly attached to the tractor. Be sure retainers are used on the mounting pins.
- Be sure extra weights are mounted on the front of the tractor, if required.
- Check the oil level in the gearbox. Add as required.
- Check that the tractor PTO shaft turns freely and that the machine driving shaft can telescope easily.
- Check the blades. Be sure they are not damaged or broken and swing freely in their mount. Repair or replace as required.
- 8. Check and tighten the blade bolts.
- 9. Check for entangled material in all rotating parts. Remove this material.
- 10. Install and secure all guards, doors and covers before starting.
- Before installing the PTO. ensure the engine is stopped and the PTO shaft is in safe working order.
- All other people shall leave the area before connecting the driving power from the tractor. Keep the output of the tractor at 540 RPM.
- Before cleaning, repairing and lubricating the machine, stop the motor and take the key away with you.
- 14. When the PTO shaft is not connected with the tractor, support it through the frame to protect it from lying in the dirt.
- Don't approach the machine when it is operating.

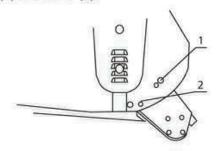
#### 4.2 ADJUSTMENTS

#### ADJUSTING THE HEIGHT

To get the most out of your flail mower, it should be set within the recommended height.

To save fuel and power, and reduce wear and tear, the cutting height must be regulated correctly.

When adjusting the working height, loosen screw (1), remove screw (2) on both sides; The roller height (see following drawing) can be adjusted by alligning the selected hole in the roller support bracket at position 2. The lowest hole is the highest working height; put the screw (2) into the selected hole; tighten screw (1) and screw (2).



#### FLAIL MOWER ADJUSTMENT

- 1. On a flat piece of ground, attach the Flail Mower to the Tractor using the three point linkage
- 2. Use a solid adjustable top link
- 3. Lower the three point linkage to its lowest position
- With the roller at the rear in contact with the ground, adjust the length of the top link so that the lower edge at the side of the flail mower is parallel with the ground
- 5. Rotate the blade drum by hand so that a row of blades hang vertically towards the ground.
- 6. Measure the clearance between the bottom of the extended blades and the ground.
  - Minimum 50mm
  - Note in rough or lumpy paddocks the clearance needs to be increased to ensure that the blades dont impact the ground in operation.
- 7. Adjust the roller height to increase or decrease the blade clearance as required
- 8. Go through steps 4 to 7 until the required clearance is achieved.

When the Flail Mower has been set up with the required tolerances:

Operate the Flail Mower with tractor in low range and the PTO delivering 540 RPM

#### 4.3 DRIVE BELT ADJUSTMENT

Loosen the Screw A and B that locks the support shaft and loosen the counter nut C.

Loosen the screws that lock the gear box on the mounting plate D.



Adjust the drive belt tension. The correct belt tension is achieved when the belt can be deflected by the belt thickness about 10mm at the center point between the pulleys.

Align the gearbox so the drive shaft is parallel with the body.

Use a straight edge to make sure the belt pullies are inline and running true. If misaligned, call your dealer or service agent for technical support.

Fit the safety covers and tighten the mounting bolts before operation.



Approx.10mm deflection

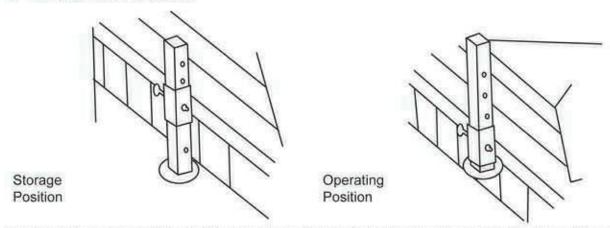


Align with a Straight Edge

#### 4.4 STARTING UP

Before starting the machine, check and adjust the following items:

- Drive belt tension.
- Gearbox oil level.
- Grease nipples on bearings and PTO shaft.
- All bolts, nuts and screws.

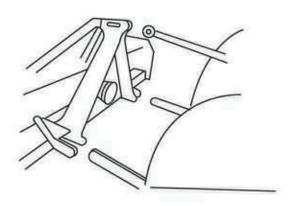


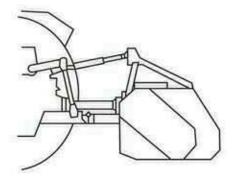
In order to keep the machine stable, lower the adjustment stand when the machine is stopped (see above drawing).

Follow all safety precaution detailed in this manual.

The machine is equipped with a standard category one, three point linkage.

Back the tractor into position in front of the flail mower Lower the tractor hydraulic lift arms. Turn the tractor off. Maneuver the implement by hand and attach the lower link arms to the lower link pin. Ensure they are secured with lynch pin. Attach the top link to the top link bracket. Adjust the lower link sway chains to allow minimal lateral movement. Attach the PTO shaft to the Tractor PTO ensuring it has been cut to the required length.





#### 4.5 HYDRAULIC CONNECTION

- Switch the engine off, set the handbrake and remove the ignition key. Push the hydraulic lever
  to release pressure at the remotes. Connect the implement's hydraulic hoses to the remotes
  using the quick couplers, having checked the quick couplers are clean and in good condition.
- Start the engine and activate the hydraulics to check the connection. Check there are no oil leaks at the connection or the implement.
- Before disconnecting, stop the engine and move the remotes lever back and forth to release the hydraulic oil pressure as previously mentioned.

#### 4.6 GREASING AND LUBRICATION

#### Each 4 hours of work:

- Check and tighten nuts and bolts
- Grease with lithium based grease when it is indicated by the symbol GREASE



After 50 hr of work, check and fill the gearbox to the required level, using oil type SAE 90 EP API GL4 Oil.

Each 100 hr of work: Check the gearbox oil level. Replace as required.

### **CHAPTER 5. SERVICE AND MAINTENANCE**

#### 5.1 SERVICE

#### **FLUIDS AND LUBRICANTS**

1. Grease:

Use multi-purpose lithium based grease.

2. Gear Box Oil:

Use SAE 90 Gear oil.

Storing Lubricants:

Your machine can operate at top efficiency only if clean lubricants are used. Use clean containers to handle all lubricants. Store them in an area protected from dust, moisture and other contaminants.

#### GREASING

- 1. Use a hand-held grease gun for all greasing.
- 2. Wipe grease nipple with a clean cloth before greasing, to avoid injecting dirt and grit.
- 3. Replace broken nipples immediately.
- If nipples will not take grease, remove and clean thoroughly. Also clean lubricant passageway.
   Replace nipple if necessary.

#### 5.2 MAINTENANCE

The period recommended is based on normal operating conditions. Severe or unusual conditions may require more frequent maintenance.

#### HOURS OR DAILY MAINTENANCE

- Check all nuts and bolts, tighten as required.
- Check the blade and blade bolts every day and replace the damaged parts. Don't install damaged, worn and unbalanced blade. Replace sleeves as they become worn.

#### NOTE:

The operator should put on gloves and use suitable tools before changing blade.

- Check the oil in gearbox. Fill up to line if necessary.
- Pump grease into each grease nipple three to five times.
- Clean the implement; remove grass and mud.

#### SEASON MAINTENANCE

- Check the machine as in the terms of daily maintenance.
- Check the oil in gearbox; replace it if it is contaminated.
- Check the blade spindles for wear and tear. If warn, disassemble and clean them and replace them if it is necessary, grease as required.

#### **ANNUAL MAINTENANCE**

- Thoroughly Clean mud and grass off the machine.
- · Check and clean blade axles. Replace seals and grease as required.
- Check all blades, replace then if they are wear-out or damaged.
- Repair or replace the side skirts back to their original size and shape. Replace damaged or broken protective devices.

### **CHAPTER 5. SERVICE AND MAINTENANCE**

#### **GEAR BOX MAINTENANCE**

The oil should be drained out and replaced after the first 50 hours of operation. Then the oil should be changed every 250 hours, or at least once a year.

Drain oil from the gearbox thoroughly. Check and clean it. Fill with new gear oil up to the dedicated oil level.

The draining procedure is as follows: remove the draining bolt under the gear box, so that the oil drains off. After the oil is drained out, put the plug back and fill with gear oil up to the dedicated oil level.

	8hrs/ Daily	50hrs/Weekly	Annually	
Lubricate PTO Shaft				
Lubricate Caster Wheels				
Lubricate Blade Spindle		V	$\vee$	
Check Gear Box Oil Level				
Clean Machine				
Lubricate and Clean PTO Shaft Cover				

#### PTO SHAFT MAINTENANCE

The PTO shaft is designed to telescope to allow for dimensional changes as the machine goes through its operating range. A tubular guard encloses the driving components and is designed to turn relative to the driving components. The shaft should telescope easily and the guard turn freely on the shaft at all times. Annual disassembly, cleaning and lubrication is recommended to insure that all components function as intended. To maintain the shaft, follow this procedure:

- 1. Remove the shaft from the machine.
- 2. Pull shaft apart.
- 3. Use a screwdriver to pry the tabs out of the sleeves on each end.
- 4. Pull the shaft out of the plastic tubular guard.
- 5. Use a solvent to clean the male and female portions of the telescoping ends.
- Apply a light coat of grease to each end.
- 7. Clean the grooves on each end where the tabs are located. Clean each tab also.
- 8. Apply a light coat of grease to each groove.
- 9. Insert the shaft into its respective guard and align the slots with the groove.
- 10. Insert the tabs through the slots and seat in the groove.
- 11. Check that each guard turns freely on the shaft.
- 12. Assemble the shaft.
- 13. Check that the shaft telescopes easily.
- 14. Replace any components that are damaged or worn.
- 15. Install the shaft on the machine.

# **CHAPTER 5. SERVICE AND MAINTENANCE**

#### **GEARBOX MAINTENANCE**

The gearbox used on the Flail mower will give many years of trouble-free service with minimal maintenance requirements. Maintain the gearbox by following this procedure:

#### Oil Level:

- Remove the level plug from the rear or side of the gearbox.
- Add oil through the filler plug located on top of gearbox until oil comes out of the level plug.
- Add through the level plug if required.
- If gearbox has a dipstick on filler plug, then fill to indicator mark.

IMPORTANT: Check the oil level only when the unit is cold and the machine is on the level.

#### **5.3 STORAGE**

- Clean the machine inside and out so as to avoid corrosion.
- Don't Spray water on the rolling bearing if you clean the machine with high pressure sprayer.
- Check and clean the universal joint, driving belt press roller, or replace them if they are not in good condition.
- · Spread oil on all parts required.
- · Recoat the parts rubbed and damaged for anti corrosion.
- · Store the machine in a dry, level area.

#### 5.4 OPERATION AFTER STORAGE

Before the machine is started up, check the following items regularly;

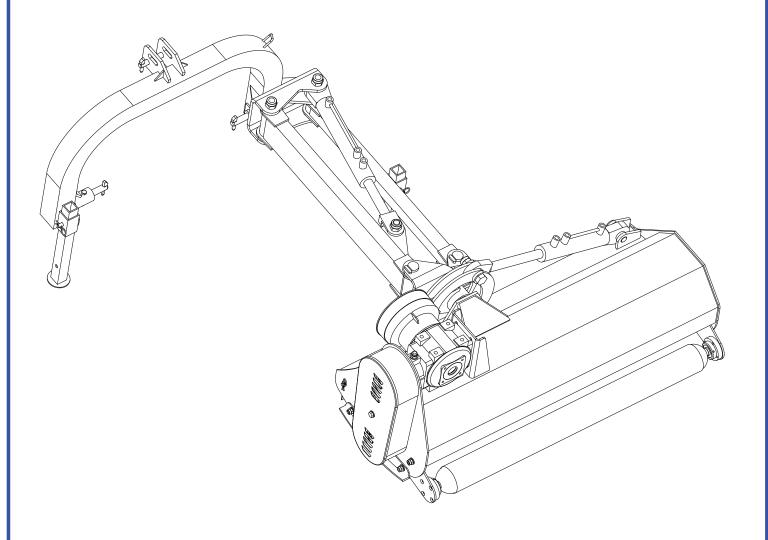
- Check oil level and add if required.
- Check and tighten all screws and nuts.
- · Check the blade condition. Replace as required.
- Check the air hole on the gearbox. If it is blocked, clean or open the hole with compressed air.
- Don't spread oil or grease on the driving belts. If there is oil or grease on the belts, wipe the belts, to avoid slippage and premature wear.
- Check all moving parts and replace them if necessary.
- Check the protective covers are complete and operate correctly.

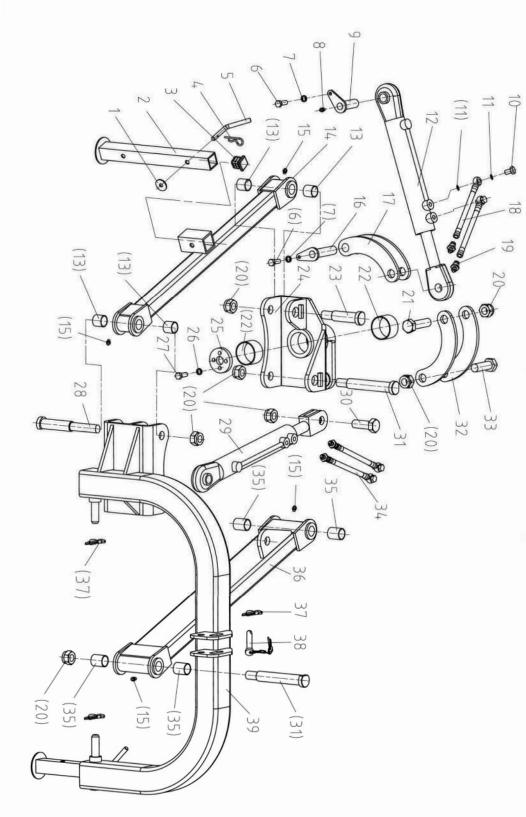
# **CHAPTER 6. TROUBLE SHOOTING**

#### TROUBLE SHOOTING

FAILURE	CAUSE	SOLUTION	LEVEL OF DAN- GER
Excessive vibration	Broken flails	Replace broken flails.	Flails can be replaced
of the machine	Broken rotor support.	Replace rotor support with original parts.	by a competent operator. In the other
	Broken driving sup- port shaft	Replace shaft support with original parts.	cases, replacement must be done by spe-
	The worst: bent rotor	replace rotor with original parts	cialised staff.
The grass is not cut.	Broken flails.	Replace flails.	For replacement of
	Belt slipping.	Adjust belt tension.	flails, adjustment or
	Broken belts.	Replace belts.	replacement belts and
	Pulleys slipping on shafts.	Fix pulley lock joints.	fixing lock joints, see paragraph relating to
	Broken gear box.	Repairing or replace- ment of gear box.	maintenance.
Clogging of Hammers/ Knives	Rotor Speed is too low	Increase rotor speed	
Excessive wear of hammers/knives	Rotor speed is too high	Decrease rotor speed	
Flail Mower vibrates during works	Foreign matter stuck in between blades	Remove foreign matter	Secure flail mower on a mechanical
	Hammers/knives broken	Replace hammer/ knives	stand before main- taining blades or
	Bolts of the rotor shaft support have come loose	Lock bolts	rotor.

# FMH AGL125 /145 /165 Parts List





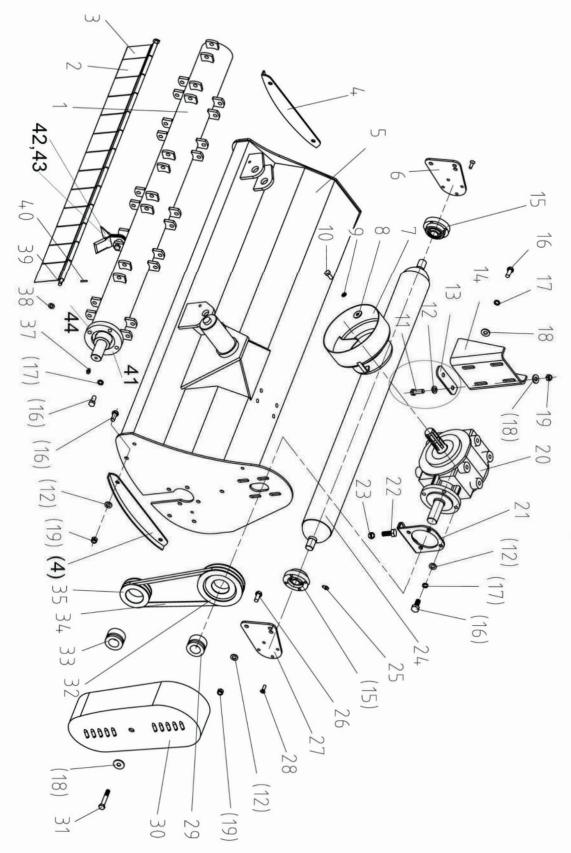
AGL125/145/165 Swing Frame Assembly Parts

# CHAPTER 7. PARTS LIST -

# MODEL

### AGL1 25/145/165 SWING FR AME ASSE MBLY PARTS LIST

No.	Drawing No.	Name		Qty	No.	Drawing No.	Name		Qty
1	GB97.1	wæher 10		1	21	GB5782	bolt M24X95	M24X95	1
2	AGL125.011	support leg		2	22	SF65X69X38	bush 65X69X38	65X69X38	2
4	AGL125.101	R pin 3.2	R 3.2	4	23	AGL125.112	axle		1
5	AGL125.125	pinfor supporting leg		2	24	AGL125.023	swing weldment		1
6	GB5783	bdt M8X20	M8X20	6	25	AGL125.122	fixed plate		1
7	GB93	sping washer 8	8	6	26	GB93	spring washer 10	10	4
8	GB1152-89	græse nipple M6X1	M6X1	4	27	GB5783	bolt M10X30	M10X30	4
9	AGL125.114	pin		1	28	AGL125.111	axle		1
10	AGL125.104	hydralic bolt		4	29	AGL125.041	moving cylinder		1
11	AGL125.105	Cuwasher 14.2X19X1.5	14.2X19X1.5	8	30	GB5782	bolt M24X65	M24X65	1
12	AGL125.040	twirl cylinder		1	31	AGL125.102	axle 160	160	2
13	SF30X34X28	bush 30X34X28	30X34X28	4	32	AGL125.116	turn link plate		2
14	AGL125.020	connection weldment		1	33	GB5782	bolt M24X75	M24X75	1
15	GB1152-89	græse nipple M8X1	M8X1	7	34	AGL125.043	pipe for moving cylinder		2
16	AGL125.115	pin		1	35	SF30X34X40	bush 30X34X40	30X34X40	4
17	AGL125.022	linkplate weldment		1	37	AGL125.109	lock pin 12	12	3
18	AGL125.044	pipe for twirl cylinder		2	38	AGL125.110	top pin		1
19	QC-R1/2-M	quick connector R1/2	R1/2-	4	39	AGL125.012	3-point hitch weldment		1
20	GB/T 889.1-2000	lock nut M24	M24	7					

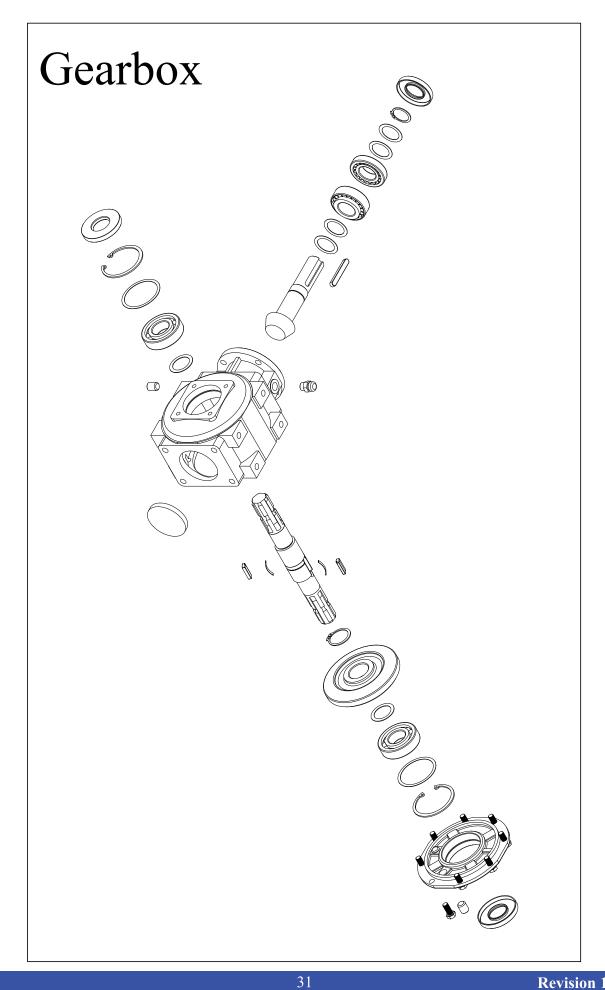


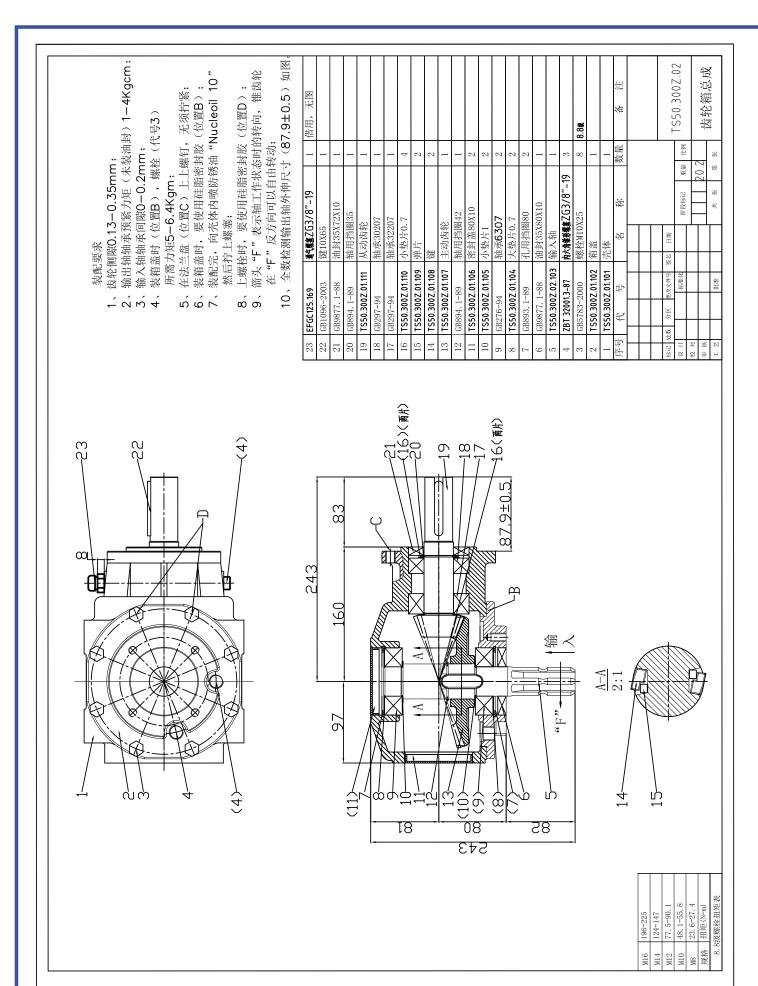
AGL125/145/165 Flail Mower Assembly Parts

# CHAPTER 7. PARTS LIST -

# MODEL

,	AGL125/145/165 Flail Mower Assembly								
No.	Drawing No.	Name	零件名称	Qty	No.	Drawing No.	Name	零件名称	Qty
1	AGL125.024	blade axle weldment	刀轴焊合件	1	25	GB1152-89	grease nipper M6X1	黄油嘴M6X1	4
2	AGL125.123	fender	挡板	12	26	GB5783	bolt M12X30	螺栓M12X30	12
3	AGL125.124	narrow fender	窄挡板	1	27	AGL125.107	right roller plate	尾轮固定板-右	1
4	AGL125.015	skid weldment	滑板焊合件	2	28	GB2673-86	flat headed cap screw M8X25	内六角沉头螺钉M8X25	8
5	AGL125.021	cover weldment	單壳焊合件	1	29	Z3-33X65	Ringfeder Z3-33X65	Z3-33X65	1
6	AGL125.106	left roller plate	尾轮固定板-左	1	30	AGL125.014	belt cover	带轮罩焊合件	1
7	AGL125.130	PTO cover	传动轴罩	1	31	GB5782	bolt M12X110	螺栓M12X110	1
8	GB97.1	washer 8	平垫圈 8	6	32	AGL125.117	bigger belt pulley	大带轮	1
9	GB93	spring washer 8	弹垫圈 8	6	33	Z3-30X60	Ringfeder Z3-30X65	涨紧套Z3-30X60	2
10	GB5783	bolt M8X20	螺栓M8X20	6	35	AGL125.120	smaller belt pulley	小带轮	1
11	AGL125.017	fitting plate with bolt	垫板焊合件	1	37	GB1152-89	grease nipper M8X1	黄油嘴M8X1	7
14	AGL125.018	gearbox mounting plate	齿轮箱座焊合件	1	38	GB97.1	washer 10	平垫圈 10	15
15	UC205	bearing asse UC205	轴承UC205	2	39	AGL125.108	stick	固定杆	1
16	GB5782	bolt M12X35	螺栓M12X35	4	40	AGL125.101	R pin 3.2	R销3.2	4
17	GB93	spring washer 12	弹垫圈 12	16	41	UC207	bearing asse UC207	轴承UC207	2
17	GB/T1154-97	V-belt VB991(B39)	V带VB991 (B39)	3	42	AGL125.121	blade (or hammer)	Л	20
18	GB97.1	washer 12	平垫圈 12	7	43	GB5782	bolt M12X80	螺栓M12X80	20
19	GB/T 889.1-2000	lock nut M12	锁紧螺母 M12	28	44	GB13871-94	oil seat FB55X80X8	油封FB55X80X8	2
20	XH50.300Z.02	gear box	齿轮箱总成	1					
21	AGL125.019	connecting plate	连接板焊合件	1					
22	GB5783	bolt M12X40	螺栓M12X40	2					
23	GB6170	nut M12	螺母 M12	3					
24	AGL125.016	roller weldment	滚筒焊合件	1					







# **Parts Request Form**

E-mail Cservice@betstco.com

Address:  City State Zip:  Phone:		Model Number:					
		Serial Number:					
		Purchased	d From:				
		Purchase '	Date:				
Item No.	Description	Qty	Price	Amount			
Commonts							
Comments:							

# FARMER-HELPER Limited Warranty

Unless otherwise stated on purchase invoice, Betstco warrants to original Purchaser that Farmer-Helper products are free from major deffects in material under normal use and service for a period of 90 Days from the date the product is purchased or shipped, whichever is later. Commercial use 90 days. Use at address that is not yours, is considered commercial use. Consumable, Expendalble, Wear Items (Rubber plastic parts, hydraulic hoses, belts, tires, cables, blades, tines, wedges, teeth, tiups, chains, pins, brushes, filters, etc) and cracked hydraulic pumps, bent or broken cylinder rods are not covered under this warranty. Warranty does not cover items that have been modified, damaged by abuse or usage not in accordance with design or maintenance.

Betstco obligation under this warranty is to repair or replace defective upon approval by; Betstco, 83371 Melton Rd. N, Creswell OR 97426 that Warranty Claim is valid. Product shall be returned upon request of Betstco. Transportation charges to be prepaid by user.

Gasoline or diesel engines used to powered Farmer-Helper products are covered by the warranty of the appropriate engine manufacturean Purchaser must look to the engine manufacture for all issues relating to engine operation.

#### Betstco assumes no responsibility for outside labor.

PERMISSABLE BY APPLICABLE LAW, BETSTCO HEREBY DISCLAIMS ALL WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, ANY IMPLIED WARRANTIES WITH RESPECT TO THE PRODUCT PURCHASED, WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, BETSTCO HEREBY EXPRESSLY DISCLAIMS ALL LIABILITY FOR PRODUCT DEFECT OR FAILURE, CLAIMS THAT ARE DUE TO NORMAL WEAR, PRODUCT MISUSE, ABUSE, PRODUCT MODIFICATION, IMPROPER PRODUCT SELECTION, NON-COMPLIANCE WITH ANY CODES, OR MISAPPROPRIATION. BETSTCO MAKES NO WARRANTIES TO THOSE DEFINED AS "CONSUMERS" IN THE MAGNUSON-MOSS WARRANTY FEDERAL TRADE COMMISION IMPROVEMENTS ACT. THE FOREGOING EXCLUSION OF IMPLIED WARRANTIES DO NOT APPLY TO THE EXTENT PROHIBITED BY LAW. PLEASE REFER TO YOUR LOCAL LAWS FOR ANY SUCH PROHIBITIONS.

THERE SHALL BE NO LIABILITY FOR PRODUCT LIABILITY OR LIABILITY ON THE PART OF BETSTCO FOR ANY GENERAL SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE SALE OR USE OF ANY PRODUCTS SOLD BY BETSTCO OR AN AGENT THEREOF, BETSTCO MAKES NO WARRANTIES, EXPRESS OR IMPLIED, (INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY OR FITNESS OF THE PRODUCTS FOR ANY PURPOSE) WITH RESPECT TO THE PRODUCTS COVERED BY THIS AGREEMENT EXCEPT AS IN THIS PARAGRAPH OTHERWISE EXPRESSLY PROVIDED.

# THIS IS THE SOLE AND ONLY WARRANTY OF VALUE-LEADER PRODUCTS, NO OTHER WARRANTY IS APPLICABLE, EITHE EXPRESSED OR IMPLIED, IN FACT BY LAW.

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

The sole and only remedy in regard to any defective product shall be the repair or replacement thereof as herein provided, Betstco, agent(s) of Betstco shall not be liable for any consequential, special, incidental or punitive damages resulting from or caused by any such defects

Betstco reserves the rights to make improvements in design or changes in specifacations at any time, without incurring any obligations to owners of the units previously sold.

WARRANTY VOID IF REGISTRATION IS NOT RECEIVED OR RECORDED ONLINE WITHIN 30 DAYS	OF
PURCHASE DATE OR SHIP DATE, WHICHEVER IS LATER.	

ITEM:	_MODEL#	PURCH	ASE DATE:	/ /
PURCHASED FROM:		GIFT IN	NV# ORDER#	
OWNER NAME:		SERIAL	#	
OWNER ADDRESS:				
CITY:	СС	OUNTY:	ST:	ZIP:
PHONE:	EN	/IAIL:		
ACCEPTANCE OF RESPONSI	BILITY:			
I (PURCHASER) HAVE READ				
READ/AND EXPLAINED ALL				
COVER ANY LABOR AND TH	AT ALL DISPUTES WILL	BE SETTLED	BY BINDING AR	BITRATION. BIND-
ING ARBITRATION IS CONDU	JCTED BY THE BETTER	<b>BUSINESS BU</b>	JREAU (BBB) LC	CATED AT 4004
SW KRUSE WAY PLACE ST 37	75 LAKE OSWEGO OR 9	97035 OR TH	E CURRENT BBE	B LOCATION CLOS-
EST TO BETSTCO. I ACKNOW	LEDGE MY LIMITED W	/ARRANTY IS	VOID IF ANY AT	TEMPT TO REPAIR
OR REPLACE DEFECTIVE PAR	RTS HAS BEEN MADE B	Y UNAUTHO	RIZED PERSONN	NEL.I ACKNOWL-
EDGE RECEIPT OF MY OPER	ATORS MANUAL AND	HAVE READ T	HE SAFE OPERA	ATION SECTION. I
ACKNOWLEDGE UNDERSTA	NDING MAINTENANCE	E AND SAFE C	PERATION REQ	UIREMENTS, ITEM
SPECIFACATIONS, OPERATION	N, CONTROLS AND ST	ORAGE REQU	JIRMENTS. <b>I UN</b>	IDERSTAND THAT
IS ALONE AM RESPONSIBLE	FOR PROPER MAINT	ENANCE, CAI	RE AND SAFE O	PERATIONOF THIS
FARMER-HELPER ITEM				
I (PURCHASER) AGREE THAT				
SHOULD NOT BE ALLOWED				_
NEAR POWER PRODUCTS W		_	=	PRODUCTS
SHOULD HAVE READ OPERA	TIONS MANUALS AND	SAFTEY MAI	NUALS.	
OWNERS SIGNATURE: x			DATE:	/ /

YOU MUST SIGN THIS WARRANTY AND MAIL OR FAX A COPY TO BETSTCO, 83371 MELTON RD, CRESWELL OR, 97426. IF YOU PREFER YOU MAY COMPLETE YOUR REGISTRATION ONLINE AT https://betstco.com/product-registration/. THIS WARRANTY IS NOT EFFECTIVE UNLESS PURCHASER COMPLETE REGISTRATION AND WARRANTY FOR WITHIN 30 DAYS OF PURCHASE OR SHIP DATE WHICHEVER IS LATER.

NOTE: WE MAY REFUSE WARRANTY OF ANY KIND UNLESS BETSTCO, RECEIVES A COMPLETED, LEGIBLE AND SIGNED WARRANTY REGISTRATION. IT IS THE RESPONSIBILITY OF THE PURCHASER TO ASSURE THAT REGISTRATION DOCUMENT IS RECIEVED BY

# 1 YEAR EXTENDED WARRANTY & REGISTRATION FARMER-HELPER IMPLEMENTS BRANDED PRODUCTS 1 YEAR EXTENDED WARRANTY

1 Year Extended Warranty amends to original Recorded Warranty Registration the time period of described coverage. Extended Warranty does not apply to consumable and Expendable Item as described in Product Warranty Registration.

This amendment does not affect any other part of recorded Warranty Registration or policy.

No one is authorized to alter, modify, or enlarge this Amendment to original recorded Warranty Registration

# EXTENDED REGISTRATION & PAYMENT MUST BE RECEIVED WITHIN 30 DAYS OF PURCHASE DATE

#### EXTENDED WARRANTY REGISTRATION

PRODUCT & MODEL #		_
SERIAL #		
OWNER NAME :		
BETSTCO INVOICE #		_
ACCEPTANCE OF RESPONSIBILITY:		
I (PURCHASER) HAVE READ AND UNDERSTAND THE EXT	TENDED WARRANTY OR	SOMEONE HAS
READ AND EXPLAINED ALL THE ABOVE TO ME. I UNDER	RSTAND THIS EXTENDED	WARRANTY DOE
NOT COVER ANY LABOR. I HAVE FILED MY ORIGINAL W	ARRANTY REGISTRATIO	N AND FULLY
UNDERSTAND MY REQUIREMENTS. I UNDERSTAND TH	AT I ALONE AM RESPON	ISIBLE FOR
PROPER MAINTENANCE, CARE AND SAFE OPERATION	OF THIS TRACTOR IMPL	.EMENT.
OWNERS SIGNATURE: x	DATE:	/ /
FAX TO 1-541-895-	2756	

YOU MUST SIGN THIS WARRANTY AND MAIL OR FAX A COPY TO BETSTCO, 83371 MELTON RD, CRESWELL OR. IF YOU PREFER YOU MAY COMPLETE YOUR REGISTRATION ONLINE AT https://betstco.com/product-registration/. THIS WARRANTY IS NOT EFFECTIVE UNLESS PURCHASER COMPLETE REGISTRATION AND WARRANTY FOR WITHIN 30 DAYS OF PURCHASE OR SHIP DATE WHICHEVER IS LATER.

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