

Instruction Manual



Manual Conventions

This manual uses the following symbols to help differentiate between different kinds of information. The safety symbol is used with a key word to alert you to potential hazards in operating and owning a plow.

Follow all safety messages to avoid or reduce the risk of serious injury or death.



DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

ACAUTION

CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

CAUTION

CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.



WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

To help you make informed decisions regarding safety, we have included instructions and information on labels. This information is provided with the intent to help avoid potential hazards that may harm you or others. It is, in no way, possible for us to inform you of every hazard you may come across with this product.

Safety Rules

AWARNING

- Read this manual thoroughly before operating your plow. Failure to follow instructions could result in serious injury or death.
- Do not exceed 5 mph, even with blade raised.
- Make sure that all nuts and bolts are tightened per installation instructions.
- Never operate this KFI product with missing or damaged parts.
- Drive slowly over bumpy and rough terrain, driving fast could cause damage to winch (if applicable) or plow.
- Never raise the plow above point of contact as it could cause damage to machine or winch (if applicable).
- Always perform regular inspections and maintenance on plow tubes and hardware before use.
- Operate with extreme caution on slopes, steep grades, and rough terrain.
- Be aware of any possible hidden objects under the snow.
- Do not ram the blade into the pile.

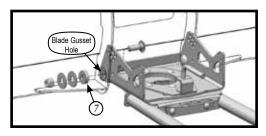
LCAUTION

- Take care when installing PLOW SPRINGS as they will be under tension.
- Use care when lifting components into place.

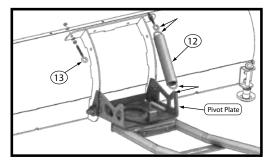


Never stand or ride on the plow.

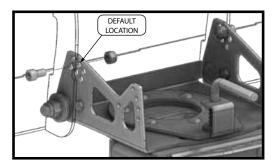
Installation Instructions



"Figure 1" Pivot Bolt Assembly



"Figure 2" Spring Assembly



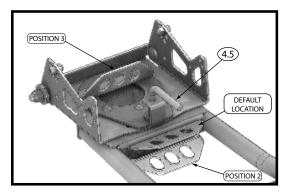
"Figure 3" Pitch Adjustment Bolt (Spring not shown for clarity.)

- 1. To secure the blade to the tube system, place the washer bearing (Item 7) into the hole in the blade gusset with the countersink facing the carriage bolt. Secure the tube system and the blade together with the 1-3/4" carriage bolt, 2 washers and lock nut, as shown in Figure 1. Repeat on other side.
- Insert the plow springs (Item 12) into
 the smaller rear holes in the pivot plate,
 as shown in Figure 2. Place the eyebolts
 (Item 13) onto the end of the plow springs
 and secure the eyebolts onto the plow
 blade gusset, as shown in Figure 2. Leave
 spring tension loose as you will decide
 tension in Step 5.
- Assemble on machine and decide desired pitch of blade. Each hole is 5 degrees of blade pitch adjustment.

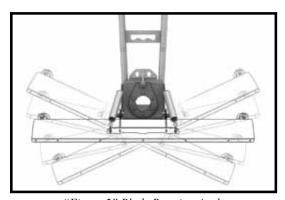
Note: Figure 3 shows the default position.

- 4. With springs installed pitch blade under tension and install 3/4" hex socket head cap screw with 3/8" Allen wrench or pliers, and 7/16" lock nut into desired pitch position hole.
- 5. Tighten nuts down on eye bolt until desired spring tension is reached.

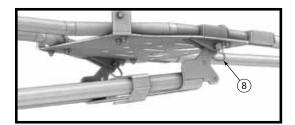
Note: For each 1/4" that the nut is tightened it will add 12 lbs of spring tension.



"Figure 4" Lift Hook Attachment Positions



"Figure 5" Blade Rotation Angle



"Figure 6" Tube System Attachment

6. The tube system has 3 positions of adjustment for the Lift Hook Bracket.

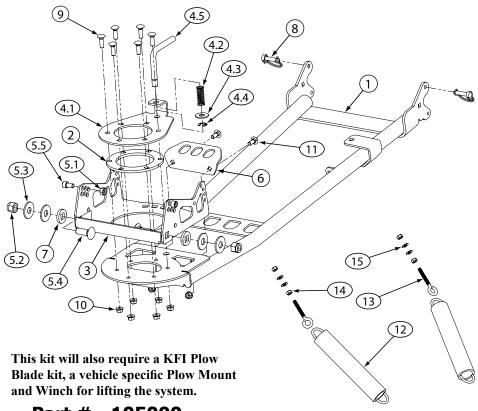
Position 1 is the default position that your tube system will come preassembled.

Position 2 uses the same bolt holes, but in this case the bracket is flipped over allowing more clearance between winch and bracket.

Position 3 is used for machines where the cable is at a severe angle. Such as upper mounted winches.

7. The tube system has five positions of rotation for your blade (Figure 5). Each adjustment is at 12.5 degree increments. In order to make each adjustment you will need to pull on the Pull Pin (Figure 4, Item 4.5) and rotate your blade left or right until you reach the desired angle.

8. To attach the tube system to any of our mounts, position the tube system with blade installed under your ATV. Raise tube attach points to the mount and line up the holes on mount plate with the holes in the tube system. Insert Safety Pin (Item 8) through holes and secure on other side with clips as shown in Figure 6.



Part # - 105000 Parts List

7/16"-14 X 3/4" HEX S.H.C.

SCREW

SK-0437-14-0_750

ITEM	PART#	DESCRIPTION	QTY.	ITEM	PART#	DESCRIPTION	QTY.
1	105019	LIFT ARM WELDMENT	1	6	105138	LIFT HOOK BRACKET	1
2	105018	LIFT PIVOT SPACER	1	7	105214	WASHER BEARING	2
3	105016	LIFT PIVOT PLATE	1	8	P800250	SAFETY PIN	2
4	105139	LIFT LOCK LATCH ASSEMBLY	1	9	CB- ZP-0375-16-1_25	3/8"-16 X 1 1/4" CARRIAGE BOLT	6
4.1	105025	LIFT LOCK PLATE	1	10	HNFL- ZP-0375-16	3/8"-16 HEX FLANGE LOCK NUT	8
4.2	P800267	COMPRESSION SPRING	1				
4.3	FW-USS-ZP-0500	1/2" FLAT WASHER, USS	1	11	CB-ZP-0375-16	3/8"-16 X 1" CARRIAGE BOLT	2
4.4	P800268	EXTERNAL RETAINING RING	1	12	P800304	PLOW SPRINGS	2
4.5	105026	PULL PIN	1	13 P800249	P800249	5/16"-18 X 9/16" X 3 3/8"	2
5	HK-100	TUBE HARDWARE KIT	1		EYEBOLT	 	
5.1	HNNL-ZP-0437-14	7/16"-14 NYLOCK NUT	2	14	HN-ZP-0313-18	5/16"-18 HEX NUT	4
5.2	HNNL-ZP-0625-11	5/8"-11 NYLOCK NUT	2	15	FW-SAE-ZP-0313	5/16" FLAT WASHER, SAE	4
5.3	FW-USS-ZP-0625	5/8" USS FLAT WASHER Z	4				
5.4	CB-	5/8"-11 X 1 1/2" CARRIAGE	2				



2 Year Limited Warranty

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Commercial Use: The warranty period for any product used for commercial or rental is limited to ninety (90) days from the date of original purchase.

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Exclusions: Excluded from this warranty are normal wear, normal adjustments, and normal maintenance.

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In the event you have a claim under this warranty, contact KFI's Technical Service and KFI will troubleshoot any issue via phone or e-mail. If the problem is not corrected by this method, KFI will, at its option, authorize evaluation, repair or replacement of the defective part or component at a KFI Service Center. KFI will provide you with a case number for warranty service. Please keep it for future reference. Repairs or replacements without prior authorization, or at an unauthorized repair facility, will not be covered by this warranty.