

MANUFACTURING, CO.

LTF SERIES OPERATION * MAINTENANCE * SET-UP INSTRUCTIONS



Model	Frame	Cutting	No. of	Blade	Recommended	Weight	Hitch
Number	Size	Width	Discs	Diameter	Engine HP	(lbs)	Туре
LTF100-1618	Small	6'0"	16	18" x 1/4"	32-47	1,600	I
LTF100-2018	Small	7'3"	20	18" x 1/4"	41-52	1,750	I
LTF100B-2022	Large	7'3"	20	22" x 1/4"	60	2,450	ll and lll
LTF100B-2422	Large	8'7"	24	22" x 1/4"	80	2,700	ll and lll
LTF100B-2822	Large	10'2"	28	22" x 1/4"	100	2,900	II and III
LTF100B-3222	Large	12'0"	32	22" x 1/4"	110	3,131	ll and Ill

AMCO MANUFACTURING COMPANY

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Rev. 7/26/2023

To The Purchaser

The care you give your new AMCO LTF disc harrow will greatly determine the satisfaction and service you obtain. By observing the instructions and suggestions in this manual, your AMCO LTF disk harrow will serve you well for many years.

Your AMCO dealer stocks AMCO replacement parts, which are manufactured with the same precision and skill as the original equipment. For best performance and longer life, use only AMCO replacement parts. Your dealer's factory trained staff is kept fully informed of the most efficient methods of servicing your AMCO equipment and they are ready to assist you.

Should you sell you AMCO LTF disc harrow, you should pass this manual to the new owner.

If you should require additional assistance or information, contact your AMCO dealer.

OSHA regulations require that as a farm employer you meet certain safety requirements. Become familiar with and comply with these requirements. Be certain that anyone who operates this equipment understands all safety related items. If your AMCO LTF disk is repainted, be certain that all decals are replaced.



Look for this symbol to point out important safety precautions. It means Attention! Become alert! Your safety is involved.

To assure efficient and prompt service, please provide the model number and serial number of your AMCO disk harrow in all correspondence or contacts. Remember, the right and left hand sides of the harrow are determined by standing at the rear of the harrow and facing the direction of travel.

Model Number:

Serial Number: _____



Be aware of signal words

Signal words indicate a degree or level of hazard seriousness.

Danger	Danger: Indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury. This signal word is to be limited to the most extreme situations, typically for machine components that, for functional purposes, cannot be guarded.
Warning	Warning: Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury, and includes hazards that are exposed when guards are removed. It may also be used to alert against unsafe practices.
Caution	Caution: Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practice.



Warning: Never stand between the tractor and disk harrow when hitching unless all controls are in neutral and the brakes are locked.



Warning: Never clean, adjust or lubricate a disk harrow that is in motion.





Danger: Stay out from underneath wing gangs when folding or unfolding the wings





Caution: Escaping fluid under pressure can penetrate the skin causing serious injury. Avoid the hazard by relieving pressure before disconnecting hydraulic lines. Use a piece of paper or cardboard, NOT BODY PARTS, to check for suspected leaks. Wear protective gloves and safety glasses or goggles when working with hydraulic systems. If an accident occurs, see a doctor immediately. Any fluid injected into the skin must be surgically removed within a few hours or gangrene may result.



Warning: All hydraulically or mechanically elevated components must be blocked to prevent accidental lowering or must be lowered to the ground when making adjustments or when the equipment is idle.



Caution: Lower or block the disk harrow so it will not roll when disconnected from the tractor.



Caution: When working on disk harrows, care should be used in handling or tightening bolts near disk blades to avoid injury.



Danger: Never allow anyone to ride on an implement at any time. Allowing a person to ride on the implement can cause serious injury or death.



Caution: Always install the Transport Bars and Wing Lock Pins before transporting the disk.



Caution: Always lock tractor drawbar so it will be stationary when transporting the disk.





Warning: Use a safety chain to help control disk should it separate from tractor.





Warning: Check overhead clearance when transporting machinery under electrical lines. Check disk transport height; refer to specifications on page 3.



Caution: When transporting machinery over public roads, comply with your local and state laws regarding length, width, height and lighting.



Caution: When transporting machinery over public roads, the SMV emblem must be used, for protection of tractor and motor vehicle operators



Caution: When transporting machinery over public roads, it is the responsibility of the operator to provide lighting and reflectors on the implement and tractor in accordance with local and state laws.

Storage:

Proper storage will add to the life of your disk harrow, and assure its being in good condition for the next season. The following storage procedures are recommended.

Wash the disk to remove all foreign matter.

Carefully rotate each disk gang to check for worn or damaged disk blades, scraper blades, bent gang axles, damaged bearings or other parts that need repair.

Check all reflectors, lights, warning decals, safety chain and SMV emblem. These items should be replaced if damaged.

Tighten all loose bolts and repair or replace any worn or damaged parts. Check torque chart in back of manual for torque recommendations.

Repaint the harrow where the original paint is worn or damaged. Coat the disk blades and all threaded rods with a rust preventative.

Retract the hydraulic cylinders to protect the cylinder rods. Coat all exposed cylinder rods with a rust preventative.

If possible store in a dry place with the gangs resting on boards to remove weight from the tires.



Warning: All hydraulically or mechanically elevated components must be blocked to prevent accidental lowering or must be lowered to the ground when making adjustments or when the equipment is idle.



Caution: Lower or block the disk harrow so it will not roll when disconnected from the tractor.



Caution: When working on disk harrows, care should be used in handling or tightening bolts near disk blades to avoid injury.

General Torque Specification Table

All bolts should be tightened to the recommended torques shown in the General Torque Specification Table.

These torque vales apply to fasteners as received from the supplier. These torque values do not apply if special graphite greases or other extreme pressure lubricants are used.

BOLT DIA. AND THREADS PER INCH	GRADE 2	GRADE 5 A-325	GRADE 8
3/8-16	25	35	50
7/16-14	35	55	80
1/2-13	55	85	125
9/16-12	75	125	175
5/8-11	105	170	235
3/4-10	185	305	425
7/8-9	170	445	690
1-8	260	670	1030
1 1/8-7	365	900	1460
1 1/4-7	515	1275	2060
1 3/8-6	675	1675	2700
1 1/2-6	900	2150	3500
1 3/4-5	1410	3500	5600

Note: *Grade 8 or thick nuts should be used with Grade 8 bolts.

Lubrication:

Gang Bearings: Your AMCO disk is equipped with Maintenance-Free bearings. No lubrication needed.



DESCRIPTION

The **AMCO LTF** is a double offset tandem disc. This means it will cut the entire disk path and not leave a center balk like the tandem disc. If the disc is not cutting the entire path adjust the front gang to become closer to the center of the disc.



OPERATION

The AMCO LTF gang angles are adjustable from 14 to 18 degrees. If your tractor has problems pulling the disc, you can reduce the gang angle of the disc gangs. Note: All four gangs should be set in the same setting for best results. Reduction of the gang angles reduces the aggressiveness of the disc resulting in less horsepower required from the tractor. It also reduces how deep the blades will dig in. The least setting of the gang angle will result in a harrow action.



The AMCO LTF is designed to be as heavy as the hydraulic system on the tractors' three point can lift. This weight can cause the front end of the tractor to raise up during transport. To alleviate this problem additional weight must be added to the front of the tractor.

The adjustments that can be made to the **AMCO LTF** to change the profile of the dirt after disking are as follows:

If you have a watermelon row as pictured below:



The rear gangs are pulling more dirt towards the center than the front gangs are throwing out.

To alleviate this you must shorten the third (upper) link of your tractor. This raises the rear gangs up and lowers the front gangs down.

If you have a valley in the middle or two ridges on each side as pictured below:



To alleviate this you must lengthen the third (upper) link of your tractor. This raises the front gangs up and lowers the rear gangs down.

The lower links of the tractor need to be level with each other and low enough to let the disk cut full depth. The speed of the tractor and the third (upper) link is the main adjustments that change the profile of the dirt after disking.

LUBRICATION

Your LTF is equipped with Maintenance-Free gang bearings. NO need for daily re-lube and save time & money.

DRAGBOARD

The dragboard kit adds versatility to your **AMCO LTF.** The dragboard should be removed, especially if disk is doing primary tillage work in high obstacle conditions, or folded up on disk.

CAUTION: Do not back up with the dragboard down. This will bend or break the dragboard kit.

The dragboard kit has multiple adjustments. These are to help you set the kit for different diameter disc blades. You cannot back up the disc with the dragboard down. It will break. You can tilt the disk back with the third link, or set the dragboard to be lower than the disc blades.

SMALL MAIN FRAME 6'0" & 7"3"



LTF SERIES

SMALL MAIN FRAME 6'0" & 7"3"

Ref No.	Part No.	Description	No. Req'd All Models
1	7205	3/4" x 4" x 4.75" U-Bolt	6
2	7397	Connecting Pin	1
3	10113	3/4" x 4" Hex Bolt, GR 8	2
4	10300	3/4" Nut	2
5	10317	Klik Pin 1/4"	4
6	10465	AMCO Decal	3
7	10696	3/4" x 7" Hex Bolt, GR 2	1
8	10910	5/16" x 2-1/4" Roll Pin	1
9	11691	7/8" Flange Locknut	2
10	11692	7/8" x 2" UNC HHCS, GR 5	2
11	11716	Maintenance Decal	1
12	11741	Warning Decal	1
13	12069	3/4" Flange Locknut	13
14	12368	LTF Decal	3
15	19028	Self Tapping Screw	2
16	19083	Operator's Manual LTF100	1
17	20605	Back Brace	1
18	20618	Main Frame	1
19	20619	Hitch	1
20	100640	Bushing	2
21	100683	Lock Pin	1
22	102602	Hitch Pin	2
23	MT-01-0001	Manual Tube & Warranty Info	1

GANG FRAME COMPONENTS

			No. Req'd					
					Small	Frame		
					LTF	100		
				1618			2018	
Ref No.	Part No.	Description	Front	Center	Rear	Front	Center	Rear
1	0788	Scraper - RH		7			9	
1	0789	Scraper - LH	3		3	4		4
2	9628	Trunion Clamp	4	8	4	4	8	4
3	10135	5/8" x 1-3/4" Carriage Bolt, GR 5	4	8	4	4	8	4
4	10299	5/8" Locknut	4	8	4	4	8	4
5	10870	1/2" x 1-1/2" Carriage Bolt, GR 5	3	7	3	4	9	4
6	11646	1/2" Flange Locknut	3	7	3	4	9	4



GANG FRAME COMPONENTS

			No. Req'd						
			Small Frame LTF 100						
				1618			2018		
Ref									
No.	Part No.	Description	Front	Center	Rear	Front	Center	Rear	
1	9476	Scraper Bar - 33.25" long	1	2	1				
1	9475	Scraper Bar - 42.50" long				1	2	1	
2	10135	5/8" x 1-3/4" Carriage Bolt, GR 5	2	4	2	2	4	2	
3	10300	3/4" Nut	10	20	10	10	20	10	
4	10727	3/4" x 3" Hex Bolt, GR 5	2	4	2	2	4	2	
5	11647	5/8" Flange Locknut	2	4	2	2	4	2	
6	12335	3/4" x 4" x 6.125" U-Bolt	4	8	4	4	8	4	
7	102596	Top Plate	2	4	2	2	4	2	
8	102597	Bottom Plate	2	4	2	2	4	2	
9	102630	Gang Frame - 31.25" long	1						
9	102631	Gang Frame - 61.25" long		1					
9	102632	Gang Frame - 34.50" long			1				
9	102633	Gang Frame - 40.50" long				1			
9	102634	Gang Frame - 79.75" long					1		
9	102635	Gang Frame - 43.75" long						1	
	BC-09-	Shock Absorber Bearing Riser							
10	0005	Assy.	2	4	2	2	4	2	



GANG COMPONENTS

			No. Req'd					
			Small Frame					
					LTF	100		
	I	1		1618			2018	
Ref No.	Part No.	Description	Front	Center	Rear	Front	Center	Rear
1	545	Spacer Spool	1	2	1	2	4	2
2	2404	Bumper Washer	1	1		1	1	
2	2404A	Bumper Washer (Drilled & Tapped)		1	1		1	1
3	3278	10" Backup Blade	1	1		1	1	
4	9440	1.50" x 33.625" Square Axle (4-blade)	1	2	1			
4	9441	1.50" x 43.125" Square Axle (5-blade)				1	2	1
5	10226	1-1/2" Slotted Nut	1	2	1	1	2	1
6	10395	1/2" Lock Nut	1	2	1	1	2	1
7	10489	1-1/2" Hex Nut, GR 8	1	2	1	1	2	1
8	10710	1/2" x 2" Carriage Bolt, GR 5	1	2	1	1	2	1
9	10872	1-3/8" Flat Washer	1	2	1	1	2	1
10	10910	5/16" x 2-1/4" Roll Pin	1	2	1	1	2	1
11	12219	18" x 1/4", Notched Disc Blade	4	8	4	5	10	5
12	17010	End Bell, Large	2	4	2	2	4	2
13	17014	End Bell, Small	2	4	2	2	4	2
14	100098	Bearing Plate	1	2	1	1	2	1
15	100099	Spacer Plate	1	2	1	1	2	1
16	1222A	End Washer	1	2	1	1	2	1
17	5622A	Lock Plate	1	2	1	1	2	1
18	FB-09-0021	Bearing Assembly	2	4	2	2	4	2

SMALL FRAME LTF - GANG COMPONENTS



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LARGE MAIN FRAME 7'3" - 8'7" - 10'2" - 12'0"



LTF SERIES

LARGE MAIN FRAME 7'3" - 8'7" - 10'2" - 12'0"

Ref No	Part No	Description	No. Req'd All Models
1	0871	Transport Pin	1
2	7205	3/4" x 4" x 4-3/4" U-Bolt	4
3	10113	3/4" x 4" Hex Bolt, GR 8	2
4	10300	3/4" Nut	12
5	10317	Klik Pin 1/4"	1
6	10396	7/8" Nut	8
7	10465	AMCO Decal	3
8	10671	3/4" x 5" Hex Bolt, GR 5	2
9	11102	7/8" x 10" Hex Bolt, GR 5	8
10	11697	Klik Pin 7/16"	2
11	11716	Maintenance Decal	1
12	11741	Warning Decal	1
13	11967	Hair Pin	4
14	12368	LTF Decal	3
15	19028	Self Tapping Screw	2
16	20605	Back Brace	1
17	20638	Main Frame	1
18	21086	A-Frame Hitch	1
19	101739	Lower Hitch Pin	2
20	101936	Set Bracket	8
21	101967	Set Pin	4
22	102000	Spacer Mount	4
23	MT-01-0001	Manual Tube & Warranty Info	1

LTF OUTRIGGER BARS

Only used on LTF100B-3222

Ref No.	Part No.	Description	No. Req'd
1	9855	Angle Set Bracket	4
2	11102	7/8" x 10" Hex Bolt, GR 5	4
3	11691	7/8" Flange Lock Nut	8
4	12082	7/8" x 9" Hex Bolt, GR 5	4
5	20394	Outrigger Bar	2
6	100583	Strap	2



GANG FRAME COMPONENTS

		(all four gangs)	No. Req'd					
		_	Large Frame LTF 100B			_		
Ref No.	Part No.	Description	2022	2422	2822	3222		
1	0788	Scraper - RH (FRH & RLH)	8	10	12	14		
1	0789	Scraper - LH (FLH & RRH)	8	10	12	14		
2	9628	Trunion Clamp	16	16	16	16		
3	10135	5/8" x 1-3/4" Carriage Bolt, GR 5	16	16	16	16		
4	10299	5/8" Locknut	16	16	16	16		
5	10870	1/2" x 1-1/2" Carriage Bolt, GR 5	16	20	24	28		
6	11646	1/2" Flange Locknut	16	20	24	28		



GANG FRAME COMPONENTS

(all four gangs)

(all four gangs)			No. Req'd					
			Large Frame LTF 100B					
Ref No.	Part No.	Description	2022	2422	2822	3222		
1	9475	Scraper Bar - 42.50" long	4					
1	9548	Scraper Bar - 51.75" long		4				
1	9549	Scraper Bar - 60.875" long			4			
1	9550	Scraper Bar - 70" long				4		
2	10135	5/8" x 1-3/4" Carriage Bolt, GR 5	8	8	8	8		
3	10300	3/4" Nut	40	40	40	40		
4	10727	3/4" x 3" Hex Bolt, GR 5	8	8	8	8		
5	11647	5/8" Flange Locknut	8	8	8	8		
6	12335	3/4" x 4" x 6.125" U-Bolt	16	16	16	16		
7	20608	Gang Frame - 35.75" long	4					
7	20609	Gang Frame - 43" long		4				
7	20610	Gang Frame - 51.50" long			4			
7	21081	Gang Frame - 60.50" long				4		
8	102596	Top Plate	8	8	8	8		
9	102597	Bottom Plate	8	8	8	8		
10	BC-09-0005	Shock Absorber Bearing Riser Assy.	8	8	8	8		

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Shock Absorber Bearing Riser

Ref No.	Part No.	Description	No. Req'd	
1	0944	Trunion Mount W.A.	1	
2	10579	3/4" x 3" Carriage Bolt, GR 5	2	
3	12069	3/4" Flange Locknut	2	
4	11521A	Rockflex Shank	1	
Note: Ref. 1-4 can be purchased as an assembly BC-09-0005				



Front Gangs



FRONT GANGS

(each front gang)		No. Req'd				
			Large Frame LTF 100B			
Ref No.	Part No.	Description	2022	2422	2822	3222
1	545	Spacer Spool	2	3	4	5
2	2404	Bumper Washer	1	1	1	1
3	3275	22" x 1/4", Notched Disc Blade	4	5	6	7
4	3278	10" Backup Blade	1	1	1	1
5	9441	1.5" x 43.125" Square Axle(5-blade)	1			
5	9442	1.5" x 52.375" Square Axle (6-blade)		1		
5	9443	1.5" x 61.375" Square Axle (7-blade)			1	
5	9444	1.5" x 70.625" Square Axle (8-blade)				1
6	10226	1-1/2" Slotted Nut	1	1	1	1
7	10395	1/2" Lock Nut	1	1	1	1
8	10489	1-1/2" Hex Nut, GR 8	4	4	4	4
9	10710	1/2" x 2" Carriage Bolt, GR 5	1	1	1	1
10	10872	1-3/8" Flat Washer	1	1	1	1
11	10910	5/16" x 2-1/4" Roll Pin	1	1	1	1
12	11589	20" x 1/4", Notched Disc Blade	1	1	1	1
13	10710	End Bell, Large	2	2	2	2
14	17014	End Bell, Small	2	2	2	2
15	100098	Bearing Plate	1	1	1	1
16	100099	Spacer Plate	1	1	1	1
17	1222A	End Washer	1	1	1	1
18	5622A	Lock Plate	1	1	1	1
19	FB-09-0021	Bearing Assembly	2	2	2	2



REAR GANGS

(each rear gang)		No. Req'd				
				Large LTF :	Frame 100B	
Ref No.	Part No.	Description	2022	2422	2822	3222
1	545	Spacer Spool	2	3	4	5
2	3275	22" x 1/4", Notched Disc Blade	2	3	4	5
3	9441	1.5" x 43.125" Square Axle(5-blade)	1			
3	9442	1.5" x 52.375" Square Axle (6-blade)		1		
3	9443	1.5" x 61.375" Square Axle (7-blade)			1	
3	9444	1.5" x 70.625" Square Axle (8-blade)				1
4	10226	1-1/2" Slotted Nut	1	1	1	1
5	10395	1/2" Lock Nut	1	1	1	1
6	10489	1-1/2" Hex Nut, GR 8	1	1	1	1
7	10710	1/2" x 2" Carriage Bolt, GR 5	1	1	1	1
8	10872	1-3/8" Flat Washer	1	1	1	1
9	10910	5/16" x 2-1/4" Roll Pin	1	1	1	1
10	11589	20" x 1/4", Notched Disc Blade	2	2	2	2
11	12219	18" x 1/4", Notched Disc Blade	1	1	1	1
12	17010	End Bell, Large	2	2	2	2
13	17014	End Bell, Small	2	2	2	2
14	100098	Bearing Plate	1	1	1	1
15	100099	Spacer Plate	1	1	1	1
16	1222A	End Washer	1	1	1	1
17	2404A	Bumper Washer - Drilled & Tapped	1	1	1	1
18	5622A	Lock Plate	1	1	1	1
19	FB-09-0021	Bearing Assembly	2	2	2	2



LTF SERIES

Drag Board Kit

Ref No.	Part No.	Description	No. Req'd
1	10097	1/2" x 2-1/2" Hex Bolt, GR 5	4
2	10299	5/8" Locknut	4
3	10317	Klik Pin 1/4"	2
4	10395	1/2" Locknut	4
5	10666	5/8" x 5" HHCS, GR 5	4
6	10785	1/2" x 1-1/2" Hex Bolt, GR 5	4
7	10787	1/2" Hex Nut	4
8	10886	1/2" Split Lock Washer	4
9	11646	1/2" Flange Locknut	8
10	12143	Leaf Spring	2
11	12349	U-Bolt	4
12	102591	Stop	4
13	102592	Spring Mount Bar	2
14	102593	Linkage	4
15	102601	Pin	2
16	103418	LTF Dragboard	1

Assembly Instruction for LTF 100B

LTF100-1618, LTF100-2018, LTF100B-2022, LTF100B-2422, & LTF100B-2822 are shipped mostly assembled from AMCO Factory. Only the 3-point hitch and back post bar needs to be assembled upon delivery. The LTF100B-3222 will require assembly with instructions below.

- 1. Set main frame on a sturdy set of saw horses or jack stands at least 32" tall. The main frame may need to be clamped down to the saw horses or jack stands to keep it from turning over when attaching the first set of gangs.
- 2. Attach one of the front gangs to the mount plate located on the main frame using one U-Bolt (#7205) and two ¾" lock nuts (10300). Only hand tighten the lock nuts at this point.
- 3. Use two set bracket plates (101936), two 7/8" x 10" bolts (11102) and one spacer mount plate (102000) to attach gang to the outside rail of the main frame. Make sure the spacer mount plate is placed between the bottom of the main frame rail and the top of the gang frame tube. Line up the holes in the set brackets and the spacer mount plate. Attach bolts and only hand tighten the lock nuts.



- 4. Place set pins (101967) into the plates with the four holes located on the outside of the main frame. To set the front gangs use the second hole from the front of the frame and to set the rear gangs use the second hole from the rear. This will set the unit at a medium aggression, the way it is set if built at AMCO.
- 5. With the gang hanging under the frame, set the gangs. The front gangs should be set about 5 ½" from the inner most side of the center rail on the main frame to the center of the two u-bolts located at the end of the gang frame.



6. Once the gang is set at the right location tighten all nuts to the torque specifications located in the manual.

7. Repeat this process with the remaining gangs. The only difference in attaching the front and rear gangs are that the measurements to set the gangs change for the rear gangs. The rear gangs should be set about 6" from the inner most side of the center rail on the main frame to the end of the gang frame tubing.



8. Once all gangs have been securely attached to the main frame set the outrigger bars on the outer part of the gang frames. Make sure the holes in the outrigger bars are oriented toward the front of the unit. Hold a measurement of about 20" between the outrigger bar and the

outside rail of the main frame. The front holes in the outrigger bars should be centered over the front gang rail and attached using two 7/8" x 9" bolts (12082) and two 7/8" flange lock nuts (11691) along with a strap (100583) that will be placed under the gang frame rail. The other end of the outrigger bar will be attached using two angle set brackets (9855), two 7/8" x 10" bolts (11102) and two 7/8" flange lock nuts (11691). Tighten all bolts to the torque specifications located in the manual.



- 9. Once all gangs and outrigger bars are properly secured to the main frame lift the unit off the saw horses or jack stands and set the unit on the floor.
- 10. Attach the hitch to the main frame using two ¾" x 5" bolts (10671) and two ¾" lock nuts (10300).
- 11. Attach one end of the back post bar between the rear mount brackets located on the rear cross bar of the main frame and the other end between the two holes located at the top of the hitch. Make sure the back post bar is oriented with the manual tube facing the front of the unit. Secure both ends of the back post bar using a ¾" x 4" bolt (10113) along with ¾" lock nuts (10300). Tighten remaining bolts to the torque specifications located in the manual.
- 12. Examples shown on following pages.

Example: LTF100B-3222

1. Serial Tag

- 3. Outrigger Bar Bundle
- 4. Gang & Frame, FRH
- 5. Gang & Frame, FLH
- 6. Gang & Frame, RRH
- 7. Gang & Frame, RLH
- 8. Main Frame



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Example: LTF100B-2422

- 1. Serial Tag
- 3. Gang & Frame, FRH
- 4. Gang & Frame, FLH
- 5. Gang & Frame, RRH
- 6. Gang & Frame, RLH
- 7. Main Frame



DETAIL A





MOST OFTEN ENCOUNTERED DISK BLADE FAILURES

Most disk blade failures can be prevented by selecting, the correct blade size and thickness for individual conditions when buying disk. Reduction of speed areas containing rocks and stumps will greatly lengthen the blade life. Keeping gang bolts properly torqued and raising the harrow while turning will also reduce disk blade breakage.



FIGURE 1 — Laminated Disc —defective steel. Eligible for warranty consideration.

FIGURE 2 — Straight directional break caused by defective steel. Eligible for warranty consideration.



FIGURE 3, 4, 5 Irregular breaks caused by contact against rocks or stumps. Not covered by warranty.



FIGURE 6 — Clipped or dented edges resulting from use in areas containing rocks or stumps. Not covered by warranty.



FIGURE 7 — Center broken out – Experience has show that this is usually caused by loose bolts, excessive flexing or by contact with rocks and stumps. Not covered by warranty

