

LOF OFFSET DISC HARROW

OPERATOR'S MANUAL PART IDENTIFICATION



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AMCO MANUFACTURING COMPANY

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FOREWORD

You've just joined an exclusive but rapidly growing club.

For our part, we want to welcome you to the group and thank you for buying an AMCO product.

We hope your new AMCO implement will help you achieve both increased productivity and increased efficiency so that you may generate more profit.

This operator's manual has been designed into five major sections: Foreword, Safety Precautions, Operation, Troubleshooting and Parts Identification.

It is important the owner/operator knows the implement model number and serial number. Write the serial and model number in the space provided and use it in all correspondence when referring to the implement.

Throughout the manual, references may be made to left side and right side. These terms are used as viewed from the operator's seat facing the front of the tractor.



This SAFETY ALERT SYMBOL

indicates important safety messages in the manual. When you see this symbol, be alert to the possibility of **PERSONAL**

INJURY and carefully read the message that follows.

The word **NOTE** is used to convey information that is out of context with the manual text. It contains special information such as specifications, techniques, reference information and other information of a supplementary nature.

The word **IMPORTANT** is used in the text when immediate damage will occur to the machine due to improper technique or operation. Important will apply to the same information as specified by **NOTE** only of an immediate and urgent nature.

It is the responsibility of the user to read the operator's manual and comply with the safe and correct operating procedure and to lubricate and maintain the product according to the maintenance schedule in the operator's manual.

The user is responsible for inspecting his machine and for having parts repaired or replaced when continued use of the product would cause damage or excessive wear to the other parts.

It is the user's responsibility to deliver his machine to the AMCO dealer who sold him the product for service or replacement of defective parts that are covered by the warranty policy.

If you are unable to understand or follow the instructions provided in the publication, consult your local AMCO dealer or contact:

AMCO MANUFACTURING, INC.

662-746-4464 800-748-9022 662-746-6825 (FAX)

Website: www.amcomfg.com E-mail: sales@amcomfg.com parts@amcomfg.com AMCO Manufacturing warrants all products manufactured and sold by it against defects in material. This warranty being expressly limited to replacement at the factory of such parts or products as will appear to be defective after inspection.

This warranty does not obligate the Company to bear cost of labor in replacement of parts. It is the policy of the company to make improvements without incurring obligations to add them to any unit already sold. No warranty is made or authorized to be made, other than herein set forth. This warranty is in effect for one year after purchase.

Model Number:	
Serial Number:	
Dealer:	

AMCO Manufacturing warrants its own products only and cannot be responsible for damage to equipment on which mounted.

SAFETY

A brief description of signal words that may be used in this manual:

CAUTION: Used as a general reminder of good safety practices or to direct attention to unsafe practices.

WARNING: Denotes a specific potential hazard.

DANGER: Denotes the most serious specific potential hazard.

SAFETY PRECAUTIONS

You can make your farm a safer place to live and work if you observe the safety precautions given. Study these precautions carefully and insist that they be followed by those working with you and for you.



Never clean, lubricate or adjust a machine that is in motion. Always lower or block the implement before performing service.

If machine must be serviced in the raised position, jack or block it up to prevent it from accidentally falling and injuring someone.

Do not allow riders on the tractor or implement.

Use speeds and caution dictated by the terrain being traversed. Do not operate on any slope steep enough to cause tipping or loss of control.

Be sure all personnel are clear of the immediate area before operating.

Read and understand the operator's manual and require all other persons who will operate the equipment to do the same.

Be familiar with all tractor and implement controls and be prepared to stop engine and implements quickly in an emergency.



CAUTION

Consult your implement and tractor operator's manual for correct and safe operating practices. Beware of towed implement width and allow safe clearance.

FAILURE TO HEED MAY RESULT IN PERSONAL INJURY OR DEATH.

SUGGESTED HORSEPOWER REQUIREMENTS

Model	Cutting Width	No. of Disc Blades	No. of Bearings	Approx. Engine HP Required	Approx. Weight lbs*
LOF-2024	7'6"	20	8	61	2,152
LOF-2224	8'3"	22	8	68	2,272
LOF-2424	9'0"	24	8	68	2,392

^{*}To calculate weight per blade on each unit, divide the approximate weight by the number of blades. Specifications for all models subject to change without notice.

BOLT TORQUE



Before making any adjustments, inspections, lubricating or repairing. Slowly lower the disc until it is firmly in contact with the ground. Before dismounting from the tractor shut off the engine set the parking brake and remove the key.

READ THESE INSTRUCTIONS FIRST:

- 1. Improperly tightened bolts will result in damage, breakage, expense, and down time.
- 2. Always replace bolts with the specified grade and type.
- 3. Torque bolts using a torque wrench properly before first use of the machine and every 2-4 hours of use until you are sure bolts are staying tight.
- 4. The chart below is a guide for proper torque. Use it unless a specified torque is called out elsewhere in the manual.

The following table shows torque in ft. lbs.

BOLT DIA. AND THREADS PER INCH	GRADE 2	OR (A-325) 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

Shear Bolt Torque Rating

Metric bolt torque for M12 Class 8.8 zinc plated is 55.1 foot-pounds.

WARNING DECALS

Familiarize yourself with the warning decals affixed to the disc. It is important for you to operate the disc safely. Read and follow the safety directions on all warning decals.

- 1. For operator safety make sure all warning decals are clean and legible.
- 2. Immediately replace any damaged or missing warning decals.
- 3. Never cover or obscure a warning decal.
- 4. Refer to the Parts Identification Section of this manual for correct warning decal locations.
- 5. Replacement warning decals can be obtained from your AMCO Dealer or by contacting AMCO at amcomfg.com.

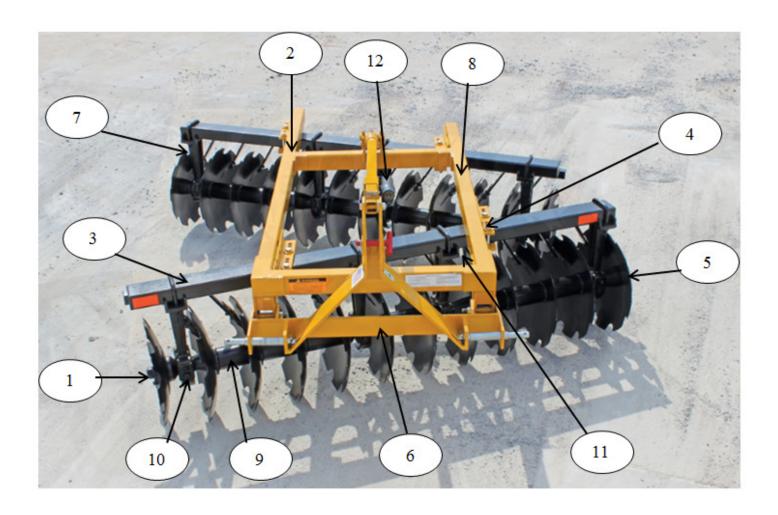
LOF OFFSET DISC HARROW SPECIFICATIONS

MODEL "LOF" 9" Spacing (F) Series Primary Tillage STANDARD SPECIFICATIONS

AXLES	1-1/2" square, high carbon cold rolled steel	BEARINGS:	Protect-O-Shield® washer bearings
BLADES	24" X 1/4" Cut out with right front & right rear blades stepped down 2" less	2 Year Warranty on Bearings	Triple lip sealed, regreaseable
MAIN FRAME	3 X 4 X 1/4" wall rectangular tubing	BEARING	Standard cast gang risers
TUBING	on main frame	RISERS:	
GANG ANGLE	15º to 23º front to rear	SPACING	9"
WEIGHT/BLADE	90-100 lbs per blade	TRANSPORT	Width same as cutting width plus 6"
SCRAPERS	HD high carbon steel blades o ½" x 1-1/2" shanks, mounted on 2" x 2" x 3/8" angle iron bars	GANG TUBING	3 x 5 x 1/4" wall rectangular tubing on gangs
FINISH	Powder coated	HITCH:	3-Point – fits Cat II or Cat III

LOF OFFSET DISC HARROW COMPONENTS

- 1. 1-1/2" square high carbon steel axles
- 2. Main Frame
- 3. Gang Frame
- 4. Adjustable gang angle 15 to 23 degrees5. 24" x 1/4" cutout blades
- 6. Category II and III quick high compatible
- 7. Standard cast gang risers
- 8. Powder coat finish
- 9. 9" welded spacer spools
- 10. Eight Protect-O-Shield bearings with two year warranty. Greasable with wear guards and zerk guards
- 11. Serial number plate
- 12. Operator manual tube



HITCHING THE DISC TO THE TRACTOR



WARNING

Before dismounting from the tractor shut off the engine, set the parking brake and remove the key.



WARNING

While backing the tractor to hitch to the disc do not permit anyone to stand behind the tractor or be near the disc. Before operating the hydraulic 3-point lift controls be certain no one is directly behind the tractor or near the disc.

Tractors without 3-point quick hitches

- 1. Check and make certain the tractor drawbar will not come in contact with the disc when it is raised or lowered. If necessary reposition the drawbar or remove it. It is recommended to verify there is ample clearance the first time the disc is raised.
- 2. The three tractor lift links should be connected to the disc hitch.
- 3. After verifying the disc is securely connected to the tractor 3-point hitch slowly raise the disc.

Tractors with 3-point quick hitches

- Check and make certain the tractor drawbar will not come in contact with the disc when it is raised or lowered.
 If necessary reposition the drawbar or remove it. It is recommended to verify there is ample clearance the first time the disc is raised.
- 2. The tractor 3-point hitch lift links should be connected to the disc hitch and lower hook locks latched.
- 4. After verifying the tractor 3-point hitch is securely connected to the disc slowly raise the disc.

UNHITCHING THE DISC FROM THE TRACTOR



Before dismounting from the tractor shut off the engine set the parking brake and remove the key.

Tractors without 3-point quick hitches

Prior to unhitching the disc from the tractor at the end of the use season or for an extended time review the Extended Disc Storage Recommendations Section of this manual.

Slowly lower the disc until the blades have come in contact with a firm flat surface.

- 1. Remove the klik pin and pin connecting the tractor 3-point center link to the disc. Place the tractor 3-point center link into its storage position.
- 2. Remove lower 3-point klik pins and hitch pins from lower 3-point clevises.
- 3. Lower the 3-point lift arms below the clevises.
- 4. Use care while driving the tractor away from disc make sure the lower 3-point lift arms are free from the disc and do not pull against it.
- 5. Slowly pull the tractor away from the disc. Before dismounting the tractor shut off the engine set the parking brake and remove the key. Reinstall the disc 3-point hitch pins, bushing, and klik pins.

Tractors with 3-point quick hitches

- 1. Prior to unhitching the disc from the tractor at the end of the use season or for an extended time review the Extended Disc Storage Recommendations Section of this manual.
- 2. Slowly lower the disc until the blades have come in contact with a firm flat surface.
- 3. Release lower hook locks
- 4. Lower the quick hitch until the hitch is free from the disc. Use care while driving the tractor away from the disc. Make sure the quick hitch is lowered so it will not pull against the disc. Slowly pull the tractor away from the disc. Before dismounting the tractor shut off the engine set the parking brake and remove the key

CHECKLIST BEFORE USING THE DISC

- 1. Make sure the disc is properly attached to the tractor
- 2. Read and understand the operator's manual.
- 3. Read and familiarize yourself with the safety and warning decals on the disc.
- 4. Check all bolts to verify proper torque.
- 5. Level the disc see -LEVELING THE DISC SECTION of this manual

Check the disc for parts that are broken or have excessive wear. If any are found replace them.

- 1. Check to make sure the tractor 3-point hitch is securely attached to the disc.
- 2. Verify the disc has been properly lubricated.

OPERATING THE DISC



Before making any adjustments, inspections, lubricating or repairing. First, find a suitable safe location to park the tractor. Then slowly lower the disc until it is touching the ground. Before dismounting from the tractor shut off the engine set the parking brake and remove the key.



Always wear hand protection such as gloves when working around the disc blades to avoid coming in contact with sharp edges.



Never operate the disc at excessive ground speed which can cause personal injury or damage to your tractor and disc.

- 1. Before starting to disc, make sure rocks and other debris that could damage the disc have been removed from the area to be worked. Check the soil moisture content. It is advised not to disc extremely wet soil. A rule of thumb to use is, if soil to be worked sticks to your shoes it is too wet to disc. Wait until the soil dries out.
- 2. The maximum cutting depth of a disc is about one-third the disc blade diameter. For example, the cutting depth of an 18" blade is about 6".
- 3. Slowly starting moving forward while lowering the disc.
 Once the disc blades have engaged the soil to the proper working depth increase your ground speed until the desired soil tillage and finish has been achieved. Achieving the desired soil tillage and finish may require changing the angle of the disc gangs. To change the gang angles please see the Disc Gang Angle Adjustment section of this manual.
- 4. Never turn on corners without lifting the disc out of the soil. Failing to do so can result in damage to the disc. It best to raise the disc and back into tight spots.
- 5. To avoid damaging the disc, never back the disc in reverse while the disc blades are engaging the soil.
- 6. Always approach and cross deep ditches or steep banks on a diagonal. Crossing straight across may result in damage to the disc and/or tractor



Always comply with all federal, state and local laws when traveling on public roads whether at night or during the day. Use accessory lights and devices for adequate warning to operators of other vehicle

- 1. Raise the disc to highest position possible to clear the ground surface. Make sure there is adequate tractor front end ballast to keep the steering in firm contact with soil surface.
- 2. Be sure to reduce tractor ground speed when turning. Leave enough clearance so that the disc does not contact obstacles such as buildings, trees, or fences.
- 3. Select a safe ground travel speed when transporting from one area to another. When traveling on roadways, transport in such a way that faster moving vehicles may pass you safely.
- 4. When traveling over rough or hilly terrain, shift tractor to a lower gear.

MAINTENANCE & LUBRICATION



WARNING

Before making any adjustments, inspections, lubricating or repairing. First, find a suitable safe location to park the tractor. Then slowly lower the disc until it is touching the ground. Before dismounting from the tractor shut off the engine set the parking brake and remove the key.



CAUTION

Never clean, adjust or service when the disc is in motion. Block up all elevated components to prevent accidental lowering or lower to rest on the ground when adjusting or repairing.



WARNING

Replace any missing, illegible or damaged safety decals!



CAUTION

Always wear hand protection such as gloves when working around the disc blades to avoid coming in contact with sharp edges.

MAINTENANCE

SCRAPER BLADES

Bent scraper blades or legs should be replaced or straightened if possible. The blades can be replaced when they wear to the extent they are not performing properly. Keep the blades adjusted 1/4" from the disc blades. The scrapers can be adjusted by loosening the mounting bolt and sliding the scraper to the proper position, then tighten the mounting bolt. For all AMCO products equipped with scraper blades, do not allow the scraper blades to run on the end bells or spacer spools as immediate damage to both will occur.

LUBRICATION SCHEDULE

Gang Bearings

Grease weekly or after (50) hours of operation under normal conditions. It is recommended to grease at the beginning and end of each use season as well. Always clean grease zerks before pumping grease into the bearings. Replace damaged bearings.

LEVELING THE DISC



Before making any adjustments, inspections, lubricating or repairing. First, find a suitable safe location to park the tractor. Then slowly lower the disc until it is touching the ground. Before dismounting from the tractor shut off the engine set the parking brake and remove the key.



Operating the disc tilted back will result in excessive wear on the disc blades on the rear gang.

- 1. Leveling the disc front to back is done by adjusting the length of the tractor 3-point center link. For most soil conditions adjust the disc as follows.
- 2. The disc is level if a slight ridge is left in the center behind the rear gangs. A soaking rain will help level it.
- 3. If the disc leaves a substantial ridge in the center behind the rear gangs shorten the tractor 3-point center link until a slight ridge is formed.
- 4. If the disc leaves a furrow in the center behind the rear gangs lengthen the tractor 3-point center link until the furrow is removed and a slight ridge is left.

DISC GANG ANGLE ADJUSMENT



Before making any adjustments, inspections, lubricating or repairing. First, find a suitable safe location to park the tractor. Then slowly lower the disc until it is touching the ground. Before dismounting from the tractor shut off the engine set the parking brake and remove the key.



CAUTION

Always wear hand protection such as gloves when working around the disc blades to avoid coming in contact with sharp edges.



The hoist lift capacity should be rated at a minimum of one ton.



Always adjust both front and rear gang assemblies to the same angle

- 1. Find a firm level spot to park the tractor and a hoist required to adjust the gang angles. Lower the disc to make contact with the soil surface. Set the parking brake, turn the tractor off and remove the key.
- 2. Determine the desired gang angle: LOF gangs can be set 15-23 degrees. Note: The greater the gang angle is set the harder the disc will pull.
- 3. Both gangs should be set at the same angle or the disc will not perform satisfactorily.
- 4. Securely connect a hoist to the center of the front gang rail. Use a 11/8" wrench to remove the bolts holding the gang rail to the main frame. Slightly loosen the opposite side of the gang rail. Adjust the gang angle to the desire setting on the side where the bolts were removed. Replace the bolts that were removed but do not tighten them. Remove the bolts on the opposite side of the gang rail and adjust the gang to the desired setting. Replace the bolts but do not tighten.
- 5. Refer to the (A) measurement diagram below step 8. Select the (A) measurement for the number of disc blades the disc is equipped with. Measurement as shown in the diagram must be maintained.
- 6. After verifying Step 5, re-tighten the bolts to required torque specifications listed in this Bolt Torque Section of this manual.
- 7. Remove the hoist

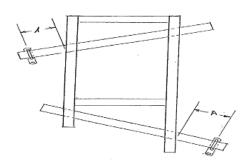
8. Repeat steps 4-7 on the rear gang.

(A) Measurement

20 disc blades is 17"

22 disc blades is 21-1/2"

24 disc blades is 26"



DISC EXTENDED STORAGE



Before dismounting from the tractor shut off the engine set the parking brake and remove the key.

- 1. Before unhitching the disc from the tractor clean off any dirt or debris that may have accumulated on the disc and moving parts. Scrape off any compacted dirt from the disc blades. Then use a power washer to clean the disc.
- 2. Thoroughly inspect the entire disc for missing, worn or damaged parts including decals. Repair or replace parts during the "off season" to assure dependable, trouble-free performance during the use season.
- 3. Lubricate the disc as detailed in the Maintenance & Lubrication section of this manual.
- 4. Apply a protective coating to the disc blades.
- 5. The disc should be stored on a solid flat surface in a dry location. It is best to store the disc inside a storage building. Doing so will reduce future maintenance requirements and prolong the life of the disc.
- 6. To complete unhitching from the tractor follow the instructions in the Unhitching From The Tractor section in this manual.

ASSEMBLY INSTRUCTIONS



Use sturdy assembly stands with the correct weight load bearing capability. Secure the main frame to assembly stands a minimum of 33" high.



Always wear hand protection such as gloves when working around the disc blades to avoid coming in contact with sharp edges.

The LOF Disc is shipped from the factory with maximum pre-assembly in the following bundles:

- A. Main Frame (with set plate and fasteners)
- B. Back post plate (assembly)
- C. Front gang and frame, complete with scrapers
- D. Rear gang and frame, complete with scrapers

Place all bundles where they will be convenient. Arrange loose parts so they may be readily seen when needed. To insure good alignment of the units and parts, always insert all bolts leaving the nuts loose. Tighten the nuts evenly to prevent misalignment, distortion, or binding be sure all bolts are tight, all cotter pins properly spread and all pins properly inserted. Tighten all fasteners to required torque specifications listed in this Bolt Torque Section of this manual.

STEP 1

Select clean, level area for assembly.

STEP 2

Place the main frame (right side up) on sturdy stands a minimum of 33" tall.

STEP 3

Attach the A-Frame to the main frame

STEP 4

Attach back-post bar to top hitch (top hole) and main frame

STEP 5

Attach front and rear gangs under the main frame. Tighten all fasteners to required torque specifications listed in this Bolt Torque Section of this manual.





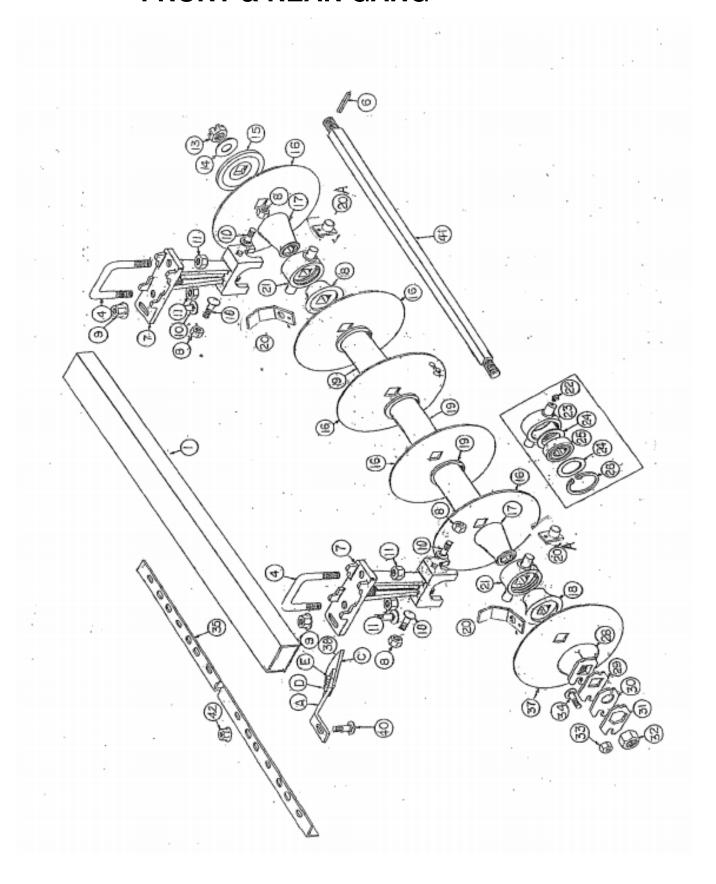


PARTS SELECTION

LOF SERIES DISC HARROW

REF.			20 BLADE		22 BLADE		24 BLADE	
NO.	PART NO.	FRONT & REAR GANG	F	R	F	R	F	R
1	20661	ASSEMBLY GANG FRAME	1	1				
1	20654	ASSEMBLY GANG FRAME			1	1		
1	20653	ASSEMBLY GANG FRAME					1	1
4	11280	U BOLT 7/8" DIA.	4	4	4	4	4	4
6	10910	ROLL PIN 5/16 X 2-1/4"	1	1	1	1	1	1
7	16012A	BEARING RISER	4	4	4	4	4	4
8	10299	LOCK NUT 5/8 NC, PLT	8	8	8	8	8	8
9	11647	FLANGE LOCK NUT 5/8 NC, PLT	4	4	4	4	4	4
10	10135	CARRIAGE BOLT 5/8 X 1-3/4" NC, PLT	12	12	12	12	12	12
11	10396	LOCK NUT 7/8 NC, PLT	8	8	8	8	8	8
13	10226	GANG BOLT NUT 1-1/2" NF SLOTTED	1	1	1	1	1	1
14	10872	CUT WASHER 1-3/8" PLT	1	1	1	1	1	1
15	2404	BUMPER WASHER	1		1	<u>-</u>	1	
15A	100738A	BUMPER WASHER (DRILLED & TAPPED)	<u> </u>	1		1		1
16	3250	BLADE 24 X 1/4" CUT OUT	9	9	10	10	11	11
16	3275	BLADE 22 X 1/4" CUT OUT (STEP DOWN)	1	1	1	1	1	1
	17014	END BELL - SMALL	4	4	4	4	4	4
17			4	4	4	4	4	4
18	17010	END-BELL - LARGE	_	5	6	- 6	7	7
19	0522	SPACER SPOOL *	5	4	4	4	4	4
20	20579	GREASE FITTING GUARD	4		_ ·			
20A	102489	WEAR GUARD		4	4	4	4	4
21	FB-09-0015			4	4	4	4	4
22	12384	GREASE FITTING MPT 1/8" STRAIGHT		1	1	1	1	1
23	16003	BEARING HOUSING		1	1	1	1	1
24	100104	WASHER		2	2	2	2	2_
25	11503	BEARING		1	1	1	1	1
26	11064	RETAINER RING		1	11	1	1	1
28	1222A	END GANG WASHER		1	1	1	1	1
29	100099	SPACER PLATE		1	1	1	1	1
30	100098	BEARING PLATE	1	1	1	1	1	1
31	5622A	LOCK PLATE	1	1	1	1	1	_1_
32	10489	GANG BOLT NUT 1-1/2" NF	1	1	1	1	1	1
33	10395	LOCK NUT 1/2 NC, PLT	1	1	1	1	1	1
34	10710	CARRIAGE BOLT 1/2 X 2" NC, PLT, GR5	1	1	1	1	1	_1
35	100367	SCRAPER BAR 10 BLADE	1	1				
35	100534	SCRAPER BAR 11 BLADE			1	1		
35	100366	SCRAPER BAR 12 BLADE					1	1
38	0788	ASSEMBLY SCRAPER RH			10		11	
38A	0789	ASSEMBLY SCRAPER LH		9		10		11
A	100271	SCRAPER SHANK		1 ea.	1 ea.	1 ea.	1 ea.	1 ea.
С	100270	SCRAPER BLADE		1 ea.	1 ea.	1 ea.	1 ea.	1 ea.
D	10785	MACHINE BOLT (BLACK) 1/2 X 1-1/2 NC, PLT		2 ea.	2 ea.	2 ea.	2 ea.	2 ea.
E	10395	LOCK NUT 1/2 NC, PLT		2 ea.	2 ea.	2 ea.	2 ea.	2 ea.
40	10870	CARRIAGE BOLT 1/2 X 1-1/2 NC, PLT		9	10	10	11	11
41	9446	GANG BOLT		1				
41	9447	GANG BOLT	1		1	1		
41	9448	GANG BOLT					1	1
42					10	10	11	11

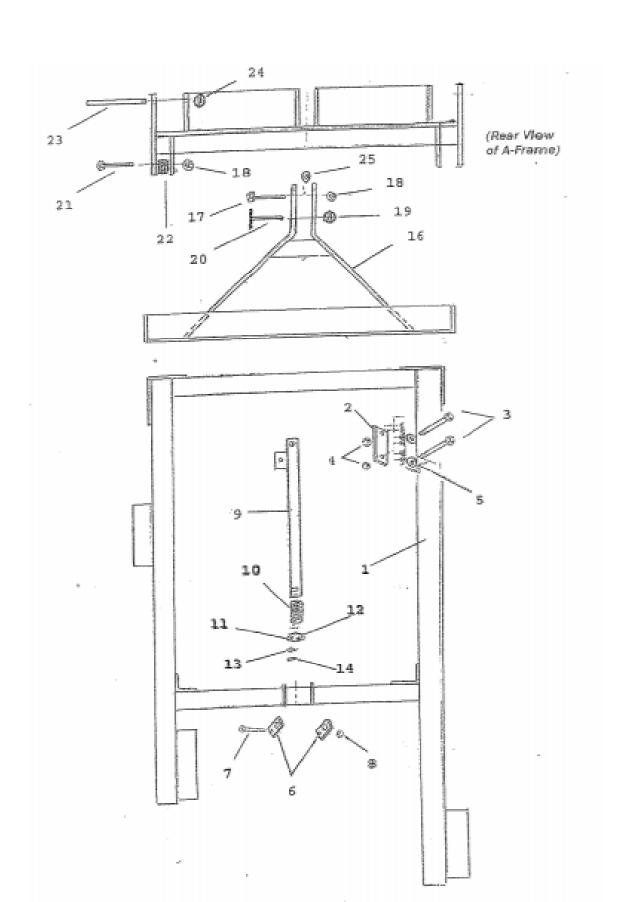
LOF SERIES DISC HARROW FRONT & REAR GANG



LOF Main Frame, Leveling System and A-Frame Hitch

Ref No.	Part No.	Description	No. Req'd
LOF	Main Frame		
1	20650	Main Frame	1
2	102735	Set Bracket 3/4 x 3 x 8-1/2" Long	4
3	12075	Hex Bolt 3/4 x 5-1/2 NC, PLT	. 8
4	10300	Lock Nut 3/4 NC PLT Gr B	. 8
5	102737	Washer	. 8
6	9628	Trunion clamp	2
7	10818	Hex Bolt 5/8 x 1-1/2 NC PLT	. 2
8	11647	Flange Locknut 5/8 NC PLT	2
LOF	Spring Load	ed Level System	
9	20651	Back Post Bar	1
10	10460 A	Spring	1
11	9892A	Swivel	1
12	10606	Grease Fitting	1
13	11279	Slotted Nut 1-3/8 NC	. 1
14	10910	Roll Pin	1
LOF	A-Frame Hite	ch	
16	20652	Top Hitch	. 1
17	10113	Hex Bolt 3/4 x 4 NC PLT Gr 5	1
18	10300	Lock Nut 3/4 NC PLT Gr B	3
19	10317	Klik Pin 1/4*	1
20	0871	Upper Hitch Pin	1
21	12090	Hex Bolt 3/4 x 6-1/2 NC PLT	. 2
22	102736	Bushing 3/4 x 6-1/2	2
23	101739	Lower Hitch Pin 1-7/16 Dia. x 12-9/16 Long	2
24	11697	Klik Pin 7/16*	. 2
25	10866	Flat Washer 3/4 PLT	. 1

LOF MAIN FRAME, LEVELING SYSTEM & A FRAME HITCH



AMCO LOF – 20 – 24 **DECALS**



QUANTITY	DESCRIPTION	PART
		NUMBER
3	AMCO small	10465
1	Maintenance	11715
1	Warning	11741
3	LOF	12458-REV B
1	Made in USA	19021
2	Orange Reflector- front gang	12540
2	Red Reflector – rear gang	12541

TROUBLE SHOOTING GUIDE

Problem	Solution
Disc blades will not penetrate the soil to	Gang angles not set properly - Reset gang
desired operation depth	angle to a lesser angle
	The soil may be too dry - Wait for adequate soil
	moisture
Disc is leaving substantial ridge behind the rear gangs	Disc is not properly set and the disc blades are moving excessive soil to the center of the disc – Shorten 3 point center link until a slight ridge is formed behind the rear gangs. Slower tractor ground seed will reduce the amount of excess soil.
The disc leaves a furrow in the center behind the rear gangs	Disc is not properly set and the disc blades are moving enough soil to the center of the disc – Lengthen the tractor 3-point center link until the furrow is removed and a slight ridge is left
Disc does not pull straight and walks side- to-side	Front gangs are running deeper than the rear gangs. Front and rear gangs are not set at the same angle or front and/or rear gangs are not centered on the disc frame – Adjust the front gangs to a shallower setting by lengthening the tractor 3-point center link. Set front and rear gangs to operate at the same angle. Center front and/or rear gangs on the disc frame.