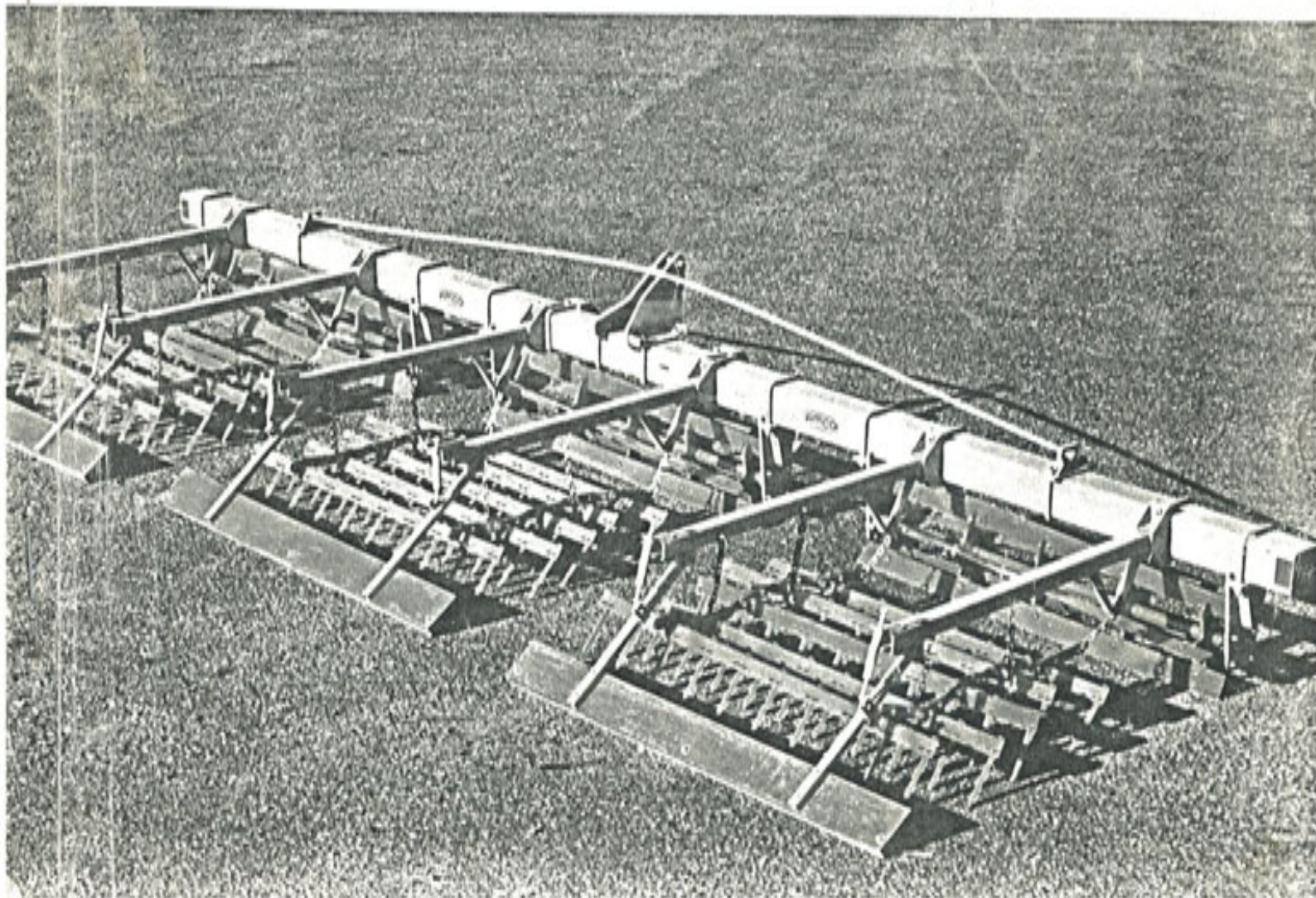


Amco

YAZOO CITY, MISS.

BED FINISHER

ASSEMBLY . . OPERATION . . MAINTENANCE
INSTRUCTIONS



TO THE PURCHASER

The care you give your new AMCO Bed Finisher will greatly determine the satisfaction and service you will obtain from it. By observing the instructions and suggestions in this manual, your AMCO Bed Finisher will serve you well for many years.

As an Authorized AMCO Dealer, we stock Genuine AMCO Parts, which are manufactured with the same precision and skill as the original equipment. For best performance and longer life use only Genuine AMCO replacement parts. Our Factory trained staff is kept fully informed of the most efficient methods of servicing AMCO equipment and is ready and able to assist you.

When you sell your Bed Finisher you should pass this manual to the new owner.

If you should require additional aid or information, contact us.

SPTM
YOUR AUTHORIZED AMCO DEALER

OSHA requires that as a farm employer you meet certain safety requirements. Become familiar with and comply with those requirements. Be sure anyone who operates this equipment understands all safety related items. If this Bed Finisher is repainted, be certain new decals are ordered. Decals pertaining to personal safety must be replaced.



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

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

MODEL NUMBER

SERIAL NUMBER

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BED FINISHER

STANDARD SPECIFICATIONS

HITCH:	ASAE CAT II & CAT III Quick Coupler and Std. 3-Point Hitches	CARRIER ARMS:	3" x 3" x 1/4" wall tubing
TOOL BAR:	7" x 7" Heavy Wall with 7/8" Truss Rod on many models	SPIKE TOOTH HARROW:	5 bar flexible teeth are 10" x 3/4" set on 1 1/2" spacing
CHOPPER REEL:	72" x 18" dia. with 4" wide spiral blades. 2" round solid shaft with triple lip regreasable bearings	DRAG BOARD:	Spring loaded formed steel
		HYDRAULICS:	Hydraulic cylinders and hoses standard on wing models

MODEL NO.	NO. OF ROWS	ROW SPACING	TRANSPORT WIDTH	APPROX. PTO HP TRACTOR REQUIRED	APPROX. WEIGHT
<u>RIGID</u>					
BF4-3	4-Row Solid	(36" - 40")	15' 4"	85-100	1755
BF6-3	6-Row Solid	(36" - 40")	22' 0"	125-135	2610
BF6-1	6-Row Narrow Skip On extended 6 Row Tool Bar	(60", 62, 64/38, 40")	25' 7"	125-135	2930
BF6-2	6-Row 2 x 1 Skip On 8 Row Tool Bar	(36" - 40")	28' 8"	125-140	3120
BF8-3	8-Row Solid	(36" - 40")	28' 8"	170-180	3830
<u>HYDRAULIC-FOLD</u>					
HBF6-1	6-Row Narrow Skip on extended 6 Row Tool Bar	(60", 62, 64/38, 40")	12' 5"	130-140	3500
HBF6-2	6-Row 2 x 1 Skip 6-Row Narrow Skip ON 8 Row Tool Bar	(36" - 40") or (60", 62, 64/38, 40")	12' 5"	130-150	3660
<u>OPTIONAL EQUIPMENT</u>					
DW10	Single gauge wheels (recommended for hydraulic fold models).....				230 (PR)
NOTE: FRONT-END TRACTOR WEIGHTS ARE REQUIRED FOR MOST TRACTORS					

AMCO PLE Effective January 1, 1983

F.O.B. Yazoo City, Mississippi

SPECIFICATIONS AND PRICES SUBJECT TO CHANGE WITHOUT NOTICE



No. 1 AMCO Drive, Yazoo City, Mississippi 39194 / 601/746-4464
Portable Elevator Division, Dynamics Corporation of America










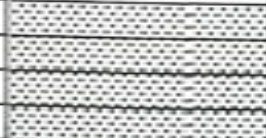
GENERAL TORQUE SPECIFICATION TABLE

ALL BOLTS SHOULD BE TIGHTENED TO THE RECOMMENDED TORQUES SHOWN IN THE "GENERAL TORQUE SPECIFICATION TABLE"

GENERAL TORQUE SPECIFICATION TABLE

USE THE FOLLOWING TORQUES WHEN SPECIAL TORQUES ARE NOT GIVEN

Note: These values apply to fasteners as received from supplier, dry, or when lubricated with normal engine oil. They do not apply if special graphited or moly-disulphide greases or other extreme pressure lubricants are used. This applies to both UNF and UNC threads.

SAE Grade No.		2		5		8 *	
Bolt head identification marks as per grade NOTE: Manufacturing Marks Will Vary				  		  	
Bolt Size		Torque Foot Pounds		Torque Foot Pounds		Torque Foot Pounds	
Inches	Millimeters	Min.	Max.	Min.	Max.	Min.	Max.
1/4	6.35	5	6	9	11	12	15
5/16	7.94	10	12	17	20.5	24	29
3/8	9.53	20	23	35	42	45	54
7/16	11.11	30	35	54	64	70	84
1/2	12.70	45	52	80	96	110	132
9/16	14.29	65	75	110	132	160	192
5/8	15.88	95	105	150	180	220	264
3/4	19.05	150	185	270	324	380	456
7/8	22.23	160	200	400	480	600	720
1	25.40	250	300	580	696	900	1080
1-1/8	25.58			800	880	1280	1440
1-1/4	31.75			1120	1240	1820	2000
1-3/8	34.93			1460	1680	2380	2720
1-1/2	38.10			1940	2200	3160	3560
				* Thick nuts must be used with Grade 8 bolts			

assembly instructions

The BED FINISHER is shipped from the factory with maximum pre-assembly in the following bundles:

- A. A-Frame
- B. Tool Bar - Rigid or Hydraulic Folding
- C. Truss Rod for Rigid Models BF6-1, BF6-2, BF6-3
- D. Reels
- E. Spike Tooth Harrow
- F. Wings for Hydraulic Folding Tool Bar
- G. Hydraulic Cylinders & Hoses for Hydraulic Folding Tool Bar Only
- H. Gauge Wheels (Optional)

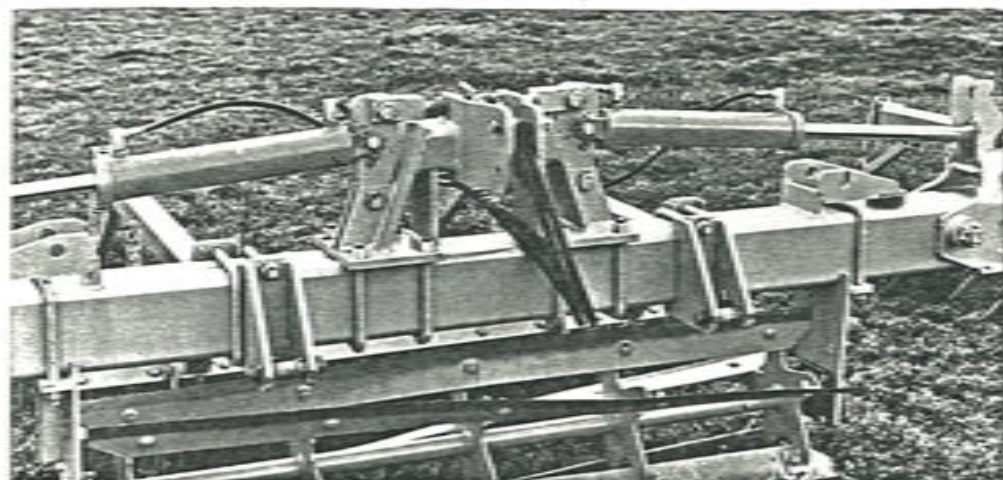
Place all bundles where they will be convenient. Arrange loose parts so they may be readily seen when needed. To insure good alignment of the units and parts, always insert all screws leaving the nuts loose. Tighten the nuts evenly to prevent misalignment, distortion, or binding. Be sure all screws are tight, all cotter pins properly spread and all pins properly inserted.

1. Select a clean level area for assembly. Place tool bar on sturdy stands.



CAUTION: Use sturdy stands to prevent frame from falling.

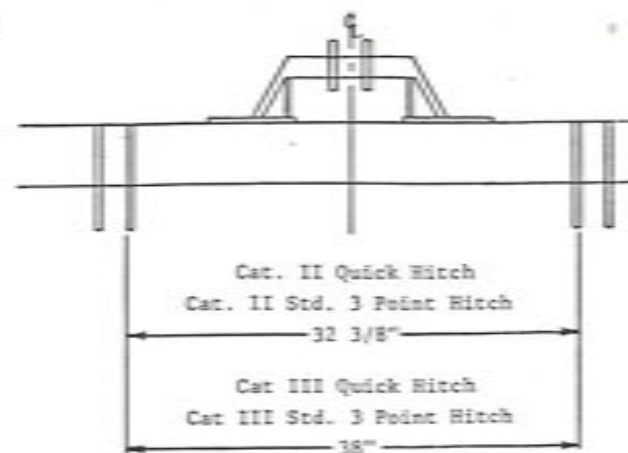
2. *Impa* Locate the center of the tool bar and mark with chalk.



"A" 22 FRAME

3. Position A-frame and lower link points exactly on center of tool bar, attach with 7/8" "U" Bolts and tighten.

See Diagram for locating lower hitches on Cat. II & III standard hitches and Cat. II & III quick coupler hitches.



4. Attach the tool bar to three point lift of a tractor.
5. On hydraulic fold models, attach wings to tool bar center section with 1 1/2 x 12 11/16" bolts, 1 1/2" slotted nut and 5/16 x 2 1/4" roll pin.
6. Attach the cylinder mounts to the ears welded to the A-frame with 1 x 3 1/2" hex screws.
7. Attach the clevis end of the adjusting rods to the top of the cylinder mounts with the 1 x 3 1/2" hex head screws. Run one 1" nut up on the threaded rod, place the rod thru the bracket on the top of the A-frame and install the other 1" nut. Do NOT tighten nuts.
8. Install the butt of 3" x 16" or 3 1/2" x 16" hydraulic cylinder to the mounts on A-frame as shown. Do not install rod end at this time. The cylinder may be mounted on the cylinder mount in two locations. The slotted hole allows the wings to flex approximately three degrees. The lower hole sets the wings in the rigid position.

ATTENTION: Preventive Maintenance

The care and maintenance of hydraulic cylinders AFTER you have received AMCO equipment is important to improve customer satisfaction and reduce warranty.

1. Prior to assembly store all cylinders indoors, out of the weather, with plugs in ports.
2. When AMCO Bed Finisher is assembled, the entire hydraulic system should be charged with hydraulic fluid to prevent internal cylinder condensation and rusting.
3. All hydraulic cylinders should be in the retracted position or if this is not possible, the plated exposed rods should be coated with a rust preventative.

We feel most problems can be avoided by careful attention to the above recommendations.

9. Install four #11127 1/2" male to 1/4" female swivel elbows into the ports on the cylinders. Coat all fittings with sealant before installing. DO NOT put sealant over end of fitting. This will keep sealant out of tractor hydraulic system. Tighten fittings.
10. Connect shorter hoses to the butt end of the hydraulic cylinders. Connect the free end of each hose to #11126 1/2" male to 1/4" female, male branch tee, located at center. These two hoses must be connected to the same tee.
11. Connect longer hoses to the rod end of the hydraulic cylinders. Connect the free end of each hose to #11126 1/2" male to 1/4" female, male branch tee, located at center. These must be connected to the same tee.

12. Use hose ties to secure all hoses from rubbing against frame members and to prevent damage.



CAUTION: Hydraulic systems are highly pressurized. Escaping hydraulic oil, even an invisible pinhole leak, can penetrate body tissues causing serious injury. Use a piece of wood or cardboard when looking for leaks—never use the hands or other parts of the body. Relieve hydraulic pressure before disconnecting circuits. When reassembling, make absolutely certain that all connections are tight.

If injured by hydraulic oil escaping under pressure, see a doctor immediately. Serious infection or reaction may occur if medical attention is not given at once.

13. Install hydraulic hoses into tees at center to tractor.



CAUTION: Block up cylinders so they will be free to extend back and forth without binding.

14. Apply pressure and fully extend and retract 4 or 5 times to force air out of the system. Check tractor fluid level after filling, since cylinders and hoses hold over one gallon of fluid.

15. Attach the rod end of cylinder to wing with 1" x 4" long pin and secure with two 5/16 x 2 1/4" long roll pins.



CAUTION: Keep clear of cylinders in operation to avoid mashing fingers or other accidental harm.

16. A. To adjust in rigid position, set bed finisher on good level spot. Extend cylinder the full 16" and adjust the 1" nuts on the adjusting rod to make wings level with the center section of the bed finisher.

- B. To adjust in floating position set bed finisher on good level spot. Level wing tool bar with center tool bar. Extend cylinder the full 16" of stroke. Adjust the 1" nuts on the adjusting rod so that the holes in butt of cylinder will be in center of slot. Wings will have 3° float down and 3° up.

17. Attach bearings to bearing risers on flat side. Make left and right hand by placing grease fitting to rear.

18. Install bearing on each end of reels. Lock the eccentric collar on bearing to shaft by turning opposite direction of reel rotations. Tap collar with a light hammer 3 times.



CAUTION: Handle reels with care. Reels are mounted on bearings and turn easily. They may catch an arm, hand or foot between reels and tool bar or reels and bearing risers.

19. Mark tool bar at desired location and attach bearing risers with reels to tool bar with 7/8" "U" bolts. NOTE: Spacing should be approximately 77" from center of "U" bolt to center of "U" bolt on bearing risers.

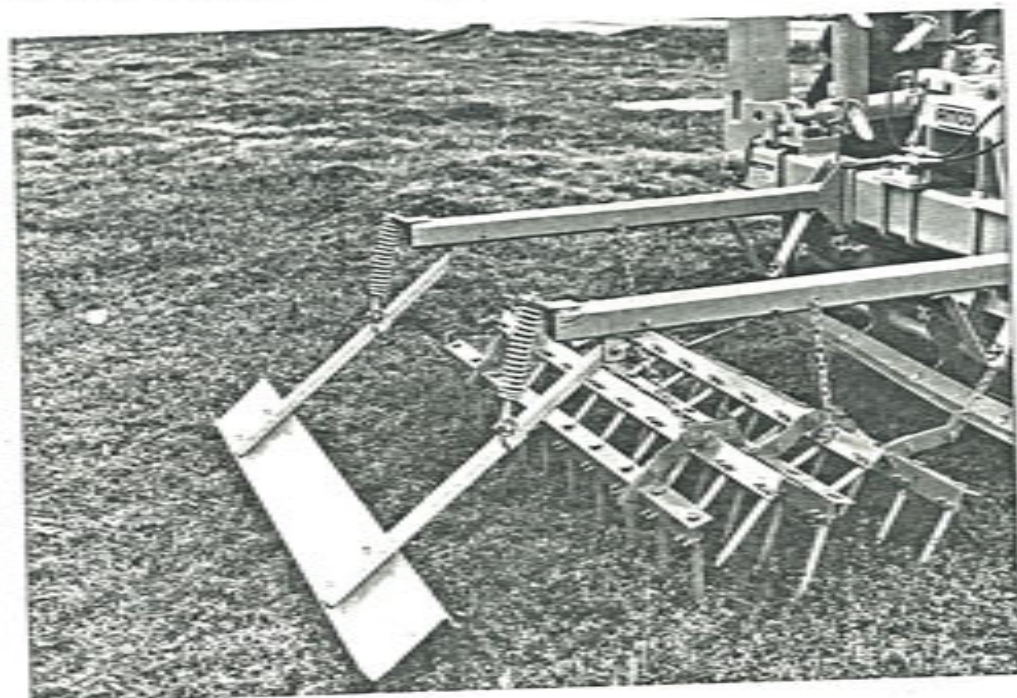
For solid 4-row and 8-row set-ups, place reels to the immediate left and right of the tool bar centerline. For all 6-row set-ups, center one reel at the tool bar centerline. For skip row bars, first add the skip row spacing to the regular row spacing (example: 64" + 40" = 104" or 76" + 38" = 114"). Next, center the outside reels that total distance from the centerline of the tool bar.

20. Attach carrier arms to tool bar with 7/8" "U" bolts locating two off the center of each reel. NOTE: Each set of carrier arms should be located 49 1/4" from center to center of carrier arms.

21. Place spike tooth harrow under carrier arms and attach 5/16" tow chains and 1/4" lift chains. (See picture)



22. Place drag board behind spike tooth harrow.
23. Attach drag board arm under carrier arm and between the two ears with 1/2" bolts.
24. Install spring over rod, and insert threaded end up through slotted hole on rear end of carrier arm. Tighten nut down until threads run out.
25. Raise drag board arm. Install spring rod in hole on arm. Install cotter pin. Refer to picture.
26. Attach drag board to drag board arms.



27. Center truss rod (for models with truss rod) through tubing welded in A-frame. Install nut at each end of rod leaving about 1 1/2" of threads showing on ends. Insert rod through hole of mounting brackets. Install nut. DO NOT TIGHTEN. Place bracket over tool bar and install with 7/8" U-bolts. Tighten nuts on 7/8" U-bolts. Tighten nut on ends of truss rod. Rod will have a long bow in it from A-frame down to mounting brackets. Using a large hammer, hit down on truss rod close to A-frame on each side. Tighten truss rod nuts again and adjust as required.



FINAL CHECK

- A. Check all bolts for proper torque.
- B. Check all hydraulic hoses and fittings for leaks. Tighten if necessary. Replace fittings that continue to leak.
- C. Lubrication
~~Raise plow to transport position.~~ Use a good grade of clean Lithium soap base grease to grease the entire bed finisher. This is very important if the implement will be kept in inventory for several weeks before being placed in service. Grease as follows:
 - (1) Grease pivot pins until grease appears.
 - (2) Grease fitting on ratchet jack on gauge wheels.
 - (3) Grease fitting on bearings on reels.
- D. Check decals to be certain they are in place and in good condition. Touch-up paint as required before delivery. Place operators manual in heavy plastic shipping bag. Tape bag to tool bar so that the operators manual will be delivered to your customer along with the implement.
- E. Review all steps of the assembly to be certain the implement is properly assembled. Check all bolts to be sure they are properly torqued. Visually inspect the implement for any missing, damaged or defective parts. Repaint any areas that need improvements.

Lubrication

Careful and regular attention to lubrication will greatly increase the life of the bed finisher. For economical and efficient operation, proper lubrication of the pivot bracket pins, the ratchet jack on gauge wheels, and bearings on the reels, is necessary.

Be sure the grease fittings are free of dirt or paint before using the grease gun. Replace any damaged or missing fittings. Use a good grade No. 2 grease (lithium base). Never use greases which contain metallic additives. Always make sure that grease is clean and not contaminated with dirt or other foreign matter.

Grease wing pivot pins each week or fifty (50) hours of operation. These pivot pins should also be greased at the start of each season and at the end of each season.

Grease ratchet jack each week or fifty (50) hours of operation.

Grease reel bearings each week or fifty (50) hours of operation.



storage

Proper storage will add to the life of your Bed Finisher and assure its being in good condition for the next season. The following procedure is recommended.

Clean off all foreign matter, and thoroughly lubricate the Bed Finisher. (See LUBRICATION INSTRUCTIONS)

Tighten loose bolts and replace any damaged or missing parts.

Repaint the Bed Finisher where the original paint has worn off.

Coat the hydraulic cylinder rod with a good rust preventative.

Store in a dry place, with the reels resting on boards.

Carefully rotate each reel and check for worn or damaged blades, shafts, damaged bearings and other parts which may need repairing.

Grease reel bearings before operating season. Grease each bearing after season and turn reels one full turn so that grease will wrap around seals and seal race. This will help prevent seals from getting hard, will keep rust off raceway and will form a barrier to outside moisture. Grease with a small hand gun using a good grade No. 2 grease (lithium base).

operating instructions

Your new AMCO Bed Finisher has been set up, inspected, and adjusted by your dealer before delivery. However, before using your new finisher or one that has been stored, make certain that all nuts and bolts are tight, all roll pins inserted snugly, all cotter pins spread and that the implement has been lubricated.

This instruction manual should be carefully and thoroughly read to enable the operator to care for and operate the finisher properly. The right and left sides of the Bed Finisher as used in these instructions are determined by facing the direction of travel while in operation.

Refer to your tractor operators manual for complete tractor operating instructions.

HITCH: AMCO Bed Finishers are designed to hitch to ASAE Category II or III standard three point hitches and Standard Quick Couplers. The lower hole in the top mast is used on Category II hitches and the upper hole is used on Category III hitches. Bushings are supplied for Category III upper and lower hitch pins on all models. Lower hitches must be shifted inward to fit Category II hitches. See STEP 3 of Assembly Instructions for proper dimensions.

TRANSPORTING: Always use wing lock pins when wings are folded to transport position on folding models. See important cautions listed below concerning safe transport.

DEPTH CONTROL: The working depth of the Bed Finisher is controlled by the tractor three-point hitch system or by gauge wheels. The adjustable stops on the three-point hitch control lever can be used to lower the Bed Finisher to a pre-set depth. When the Bed Finisher is equipped with gauge wheels, the ratchet jack on each gauge wheel should be adjusted to vary the working depth of the bedder. Gauge wheels are recommended on wings of hydraulic models.

LEVELING: Adjust the center link of the tractor's three-point hitch to level the Bed Finisher fore-and-aft.

WINGS (Hydraulic Folding Models): The wings may be set rigid or can be allowed to float. For rigid wings, mount the cylinder in the solid hole in the cylinder mount and adjust the threaded rod to level the wings. For floating wings, mount the cylinder in the slotted hole and adjust the threaded rod with nuts. Gauge wheels are recommended especially on floating wings to control depth.



CAUTION When transporting hydraulic fold models be sure to use the red transport pins, provided with the implement, to lock wings in the raised position. This will prevent wings from accidental falling.

operating tips

OPERATING TIPS FOR LONG LIFE AND SATISFACTORY PERFORMANCE

1. Match the Bed Finisher with the proper size tractor. Too Much horsepower and speed will result in excessive maintenance cost.
2. Lubricate with clean grease at the recommended intervals.
3. Use good quality tires, hoses, and hydraulic cylinders.
4. Wash corrosive materials such as fertilizer and herbicides from the Bed Finisher when it is not in use.

5. Insist on genuine AMCO replacement parts. Items such as bearings and blades look alike but are not as reliable as original equipment.
6. NEVER allow unsafe conditions or operating practices. Your safety is of prime importance.
7. Reduce operating speed in areas containing stumps or rocks to reduce implement damage.

maintenance

1. Keep all bolts tight.
 - A. Check before placing in service.
 - B. Visually inspect all bolts daily.
 - C. Check after first 50 hours or one week's operation.
 - D. Check each season.
2. Grease pivot pins and ratchet jack every week or 50 hours, at the start of each season and at the end of each season. Lack of greasing and improper greasing are the number one causes of bearing failure. Grease reel bearings daily, first use a rag to wipe fittings clean. Apply grease with a hand grease gun until any old or dirty grease is purged from the bearing. Use a good grade of clean No. 2 grease (lithium base). Avoid high-pressure greasing. Follow greasing instructions in the section on storage on Page 10 in this manual to protect bearings when not in use.
3. Misalignment is a major cause of bearing failure. Inspect reels daily for misaligned bearing risers and damaged reel parts which cause ball bearings to bind in the raceway. Get in the habit of turning each reel several rounds to check for binding, grinding or "squawking" sounds. If reels turn smoothly, bearing misalignment should not be a problem. Realign bearing risers and replace damaged parts as required. If a bearing is operated for several hours after failure, both bearings should be replaced, since the unfailed bearing is usually damaged by excessive pounding and misalignment caused by the broken bearing.
4. Reel bearing and collars are installed by your dealer. If it becomes necessary for you to loosen a collar, retighten it by following these instructions:
 - A. Be sure the collar is on inner race of bearing.
 - B. Turn collar in the opposite direction of the reel rotation.
 - C. With a light hammer and punch, tap the collar 3 or 4 times.
 - D. This will tighten collar as tight as necessary. Further tightening can distort the inner race resulting in premature bearing failure.
 - E. Lock the collar with the set screw provided.
5. New reel bearings can be purchased at your AMCO dealer in a package consisting of bearing, housing and grease fitting. Note bearing has a hole in outer race. This hole must align with groove in housing. If not aligned bearing will not get greased.

6. Hydraulic Cylinder Repair.
 - A. Remove hoses and fittings from cylinder.
 - B. Remove cylinder from the Bed Finisher and clean outside of cylinder.
 - C. Dis-assemble cylinder by removing the rods and nut from end of cylinder rod. Slip piston and gland off cylinder rod.
 - D. Carefully clean and inspect all parts for wear or damage. Small nicks, scratches or blemishes on rod and inside of barrel should be smoothed with fine steel wool or emory cloth. Replace parts that cannot be repaired.
 - E. Remove all "O" Rings from piston and gland. Replace all seals with new parts.
 - F. Assemble cylinder using care to prevent damage to "O" Rings and seals. Make sure that all parts are cleaned and free of foreign matter before assembly.
 - G. Replace the cylinder on the Bed Finisher and attach hoses. Check cylinder for leaks.

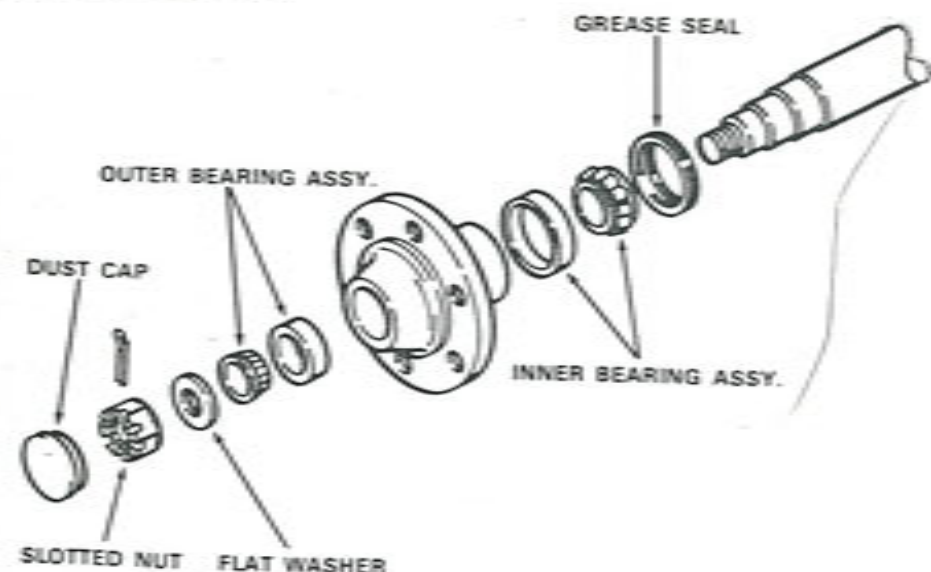


CAUTION All hydraulically or mechanically elevated operating components must be blocked to prevent accidental lowering, or must be lowered to the ground when making adjustments or when the equipment is idle.

WHEEL BEARINGS

Wheel bearings should be repacked with grease and adjusted annually. Under extreme conditions, they should be serviced more frequently. Check occasionally for excessive end play.

To disassemble the hub, remove the dust cap by prying around it. Remove the cotter pin, slotted nut and flat washer. Carefully remove the hub and bearings from the spindle. Inspect all parts for wear and replace if necessary, Figure 2.

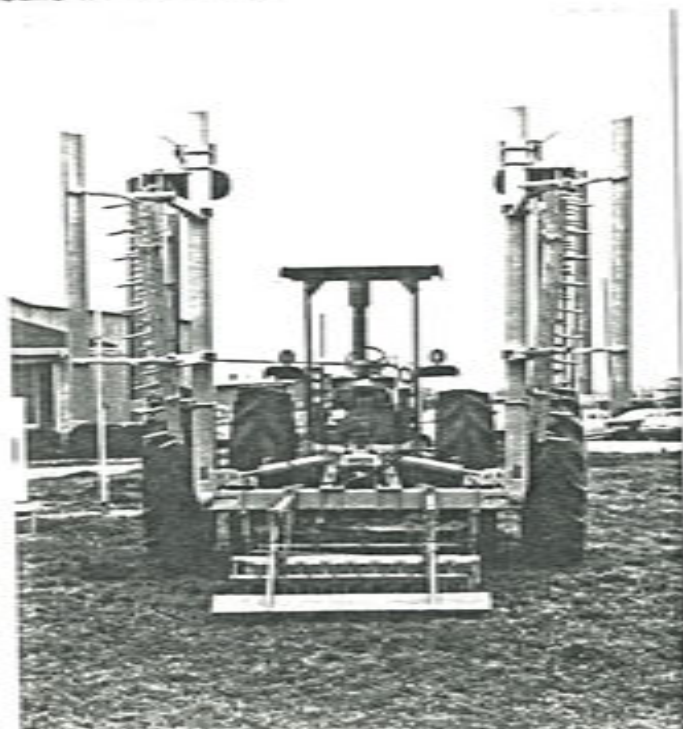


Use the following procedure when repairing or servicing wheel hubs:

- A. Clean all parts that are to be re-used.
- B. Carefully inspect the metal case on the grease seal. Discard seal if case is bent or damaged. Check seal lips for cuts, tears or excessive wear. Seal must fit snugly on extended inner race of bearing.
- C. Carefully inspect both sets of bearings cones. Bearing bore and rollers must be smooth and free of nicks and scratches. Replace cones if damaged.
- D. Inspect hub to make sure that hub bolt holes have a full thread. Bearing cups must be smooth and free of surface blemishes. Cups must be removed from the hub and replaced if damaged. Cups should be fully pressed into the hub and rest squarely against the shoulder inside the hub. Hub cap and grease seal should fit snugly inside the hub. Severely damaged hubs should be replaced.
- E. Threads on spindle must be in good condition. Bearing cone seats must be smooth and free of blemishes. Bearing cones must fit squarely on spindle.
- F. Flat washer, slotted nut, cotter pin and hub cap must be in good condition. Replace if worn or damaged.

To reassemble the hub, repack each bearing cone with grease and fill the hub cavity $\frac{1}{3}$ full of grease. Place inner bearing assembly in hub, press grease seal into hub and carefully re-install the hub on the spindle. Install the outer bearing assembly into the hub, and replace the flat washer and slotted nut. Tighten the slotted nut, to seat the bearings, until the hub binds when rotated.

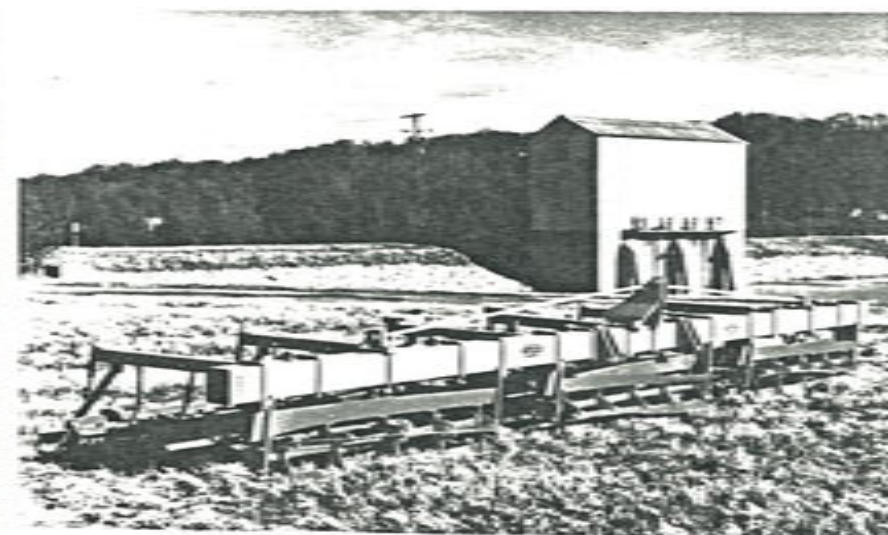
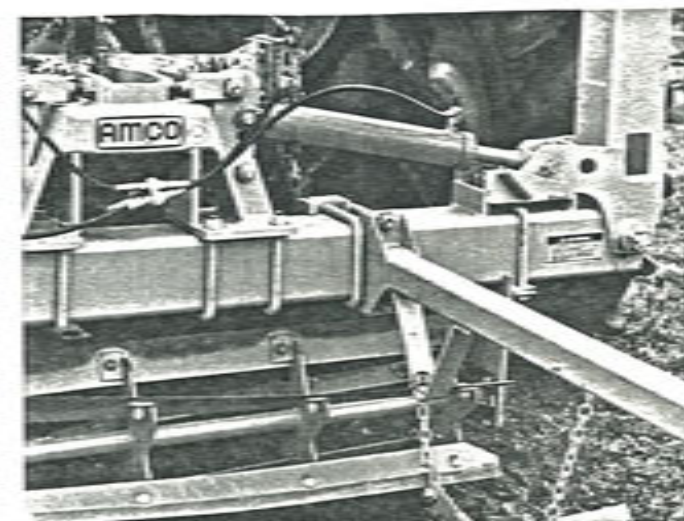
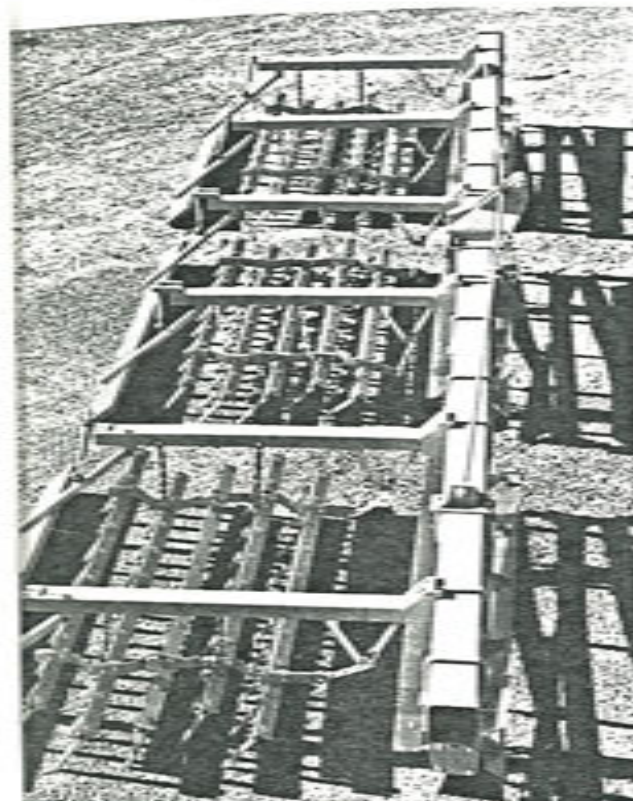
Back the slotted nut off to the nearest slot. Rotate the hub five or six revolutions in each direction to seat all parts. Re-tighten the slotted nut while rotating the hub. When the hub binds, back the slotted nut off to the nearest slot and secure with a cotter pin. Install dust cap and re-mount wheel on hub.

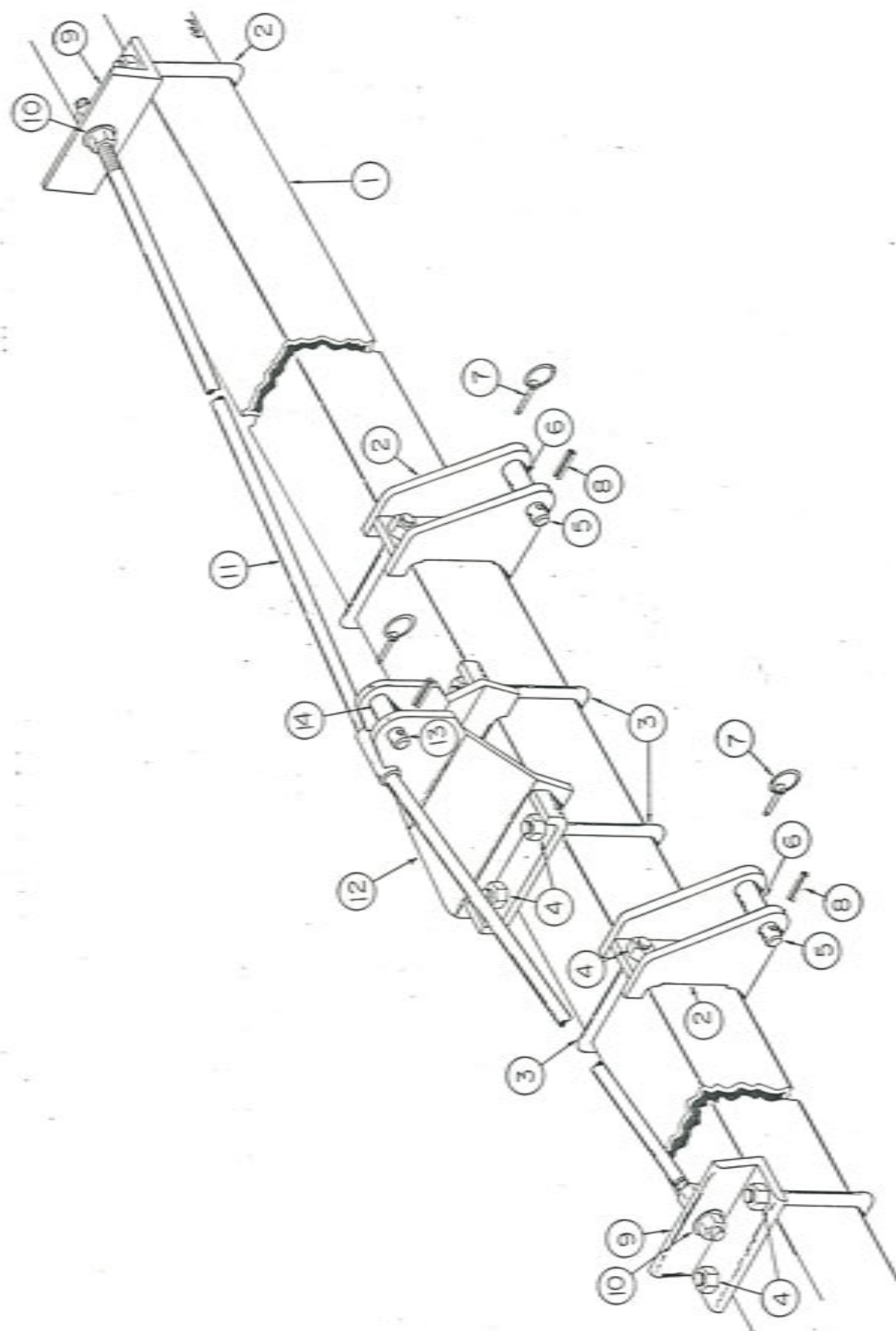


CAUTION: When transporting farm implements on public roads after dusk, it is the responsibility of the operator to provide lighting and reflectors on the rear of the implement in accordance with your state laws.



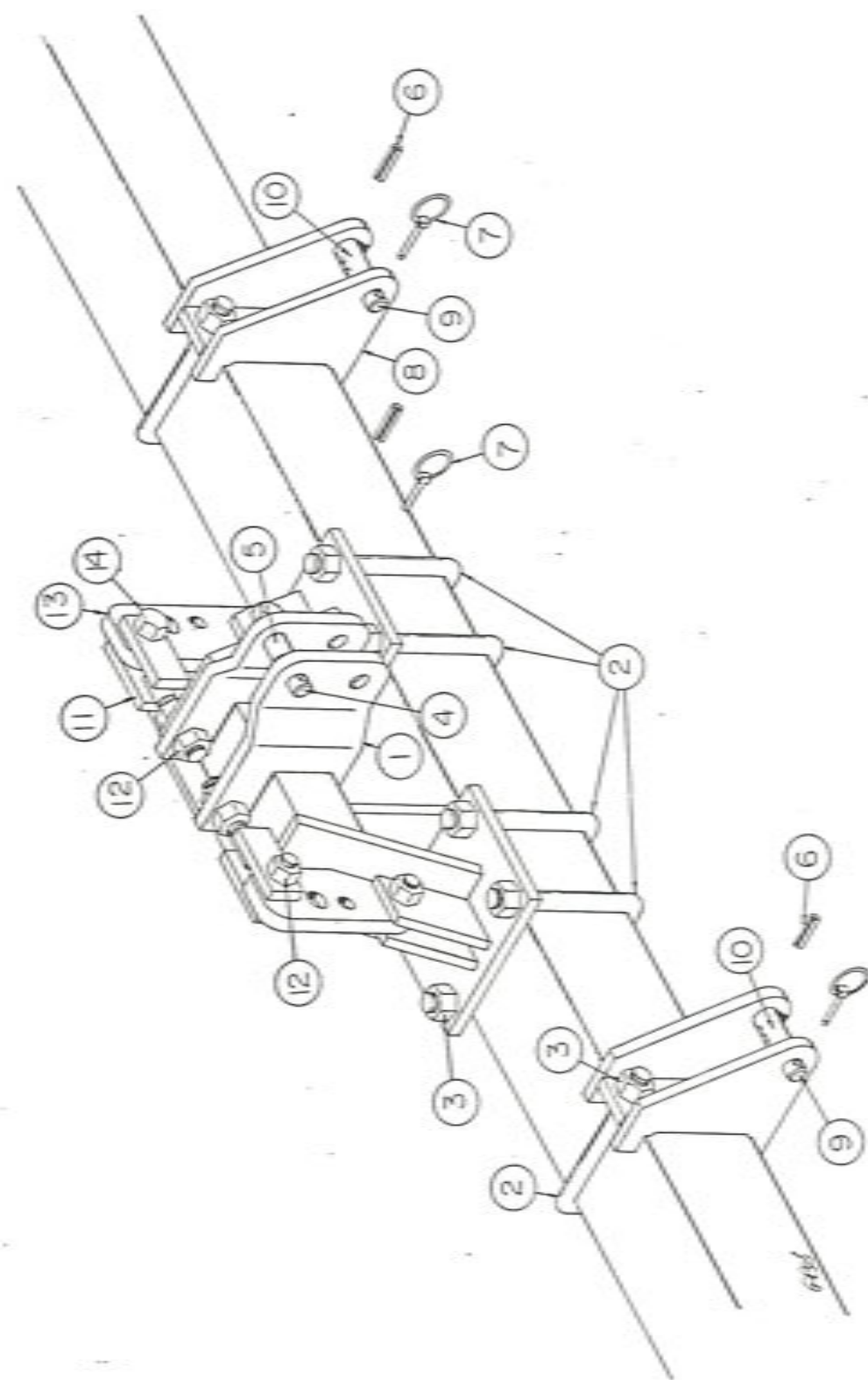
CAUTION: When transporting machinery over public roads, comply with your local and state laws regarding length, width and lighting.





AMCO BED FINISHER
A FRAME & TOOL BAR

Ref. No.	Part No.	Description	No. Req'd
1	101841	Tool Bar 7 x 7 x 1/4.....	1
2	20321	Assy. Bottom Hitch.....	2
3	11399	"U" Bolt 7/8 Dia.....	6
4	10396	Lock Nut 7/8 NC, PL, GRB.....	12
5	101809	Hitch Pin 1 1/8 Dia. 6 1/8" Long (Bottom).....	2
6	100640	Bushing 1 7/16 O.D. - 2 3/4 Long (Bottom).....	2
7	10317	Klik Pin 1/4".....	3
8	10910	Roll Pin 5/16 x 2 1/4.....	3
9	101829	Truss Anchor.....	2
10	11691	Flange Lock Nut 7/8 NC, PL, GRG.....	4
11	101830	Truss Rod 7/8 Dia. HRMS - 205 1/4" Long.....	1
12	20320	Assy. Top Hitch.....	1
13	101333	Hitch Pin 1" Dia. 5 1/4 Long (Top).....	1
14	6570	Bushing 1 1/4 Dia. 2" Long (Top).....	1

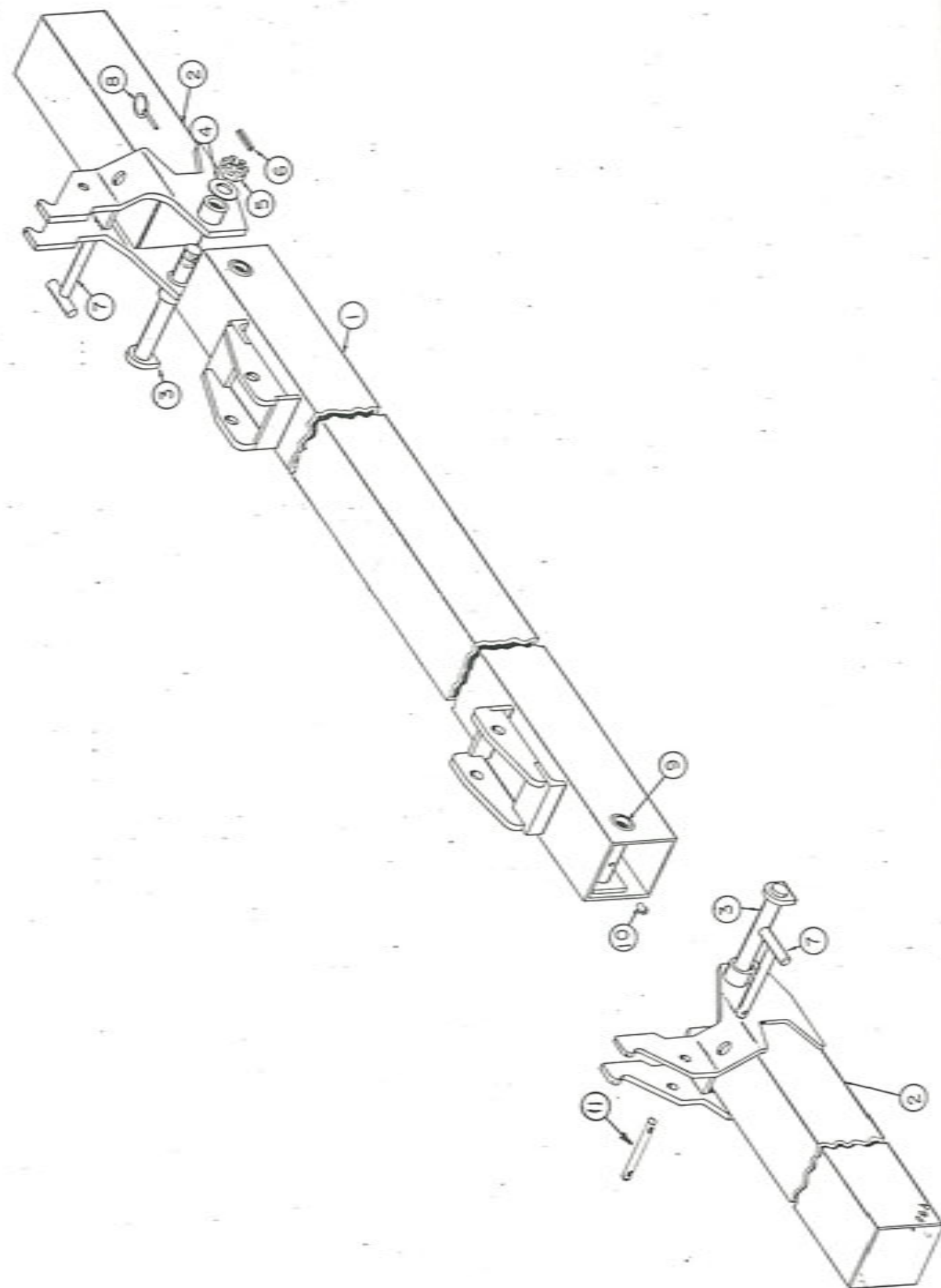


AMCO BED FINISHER

A22 A Frame

(Hydraulic)

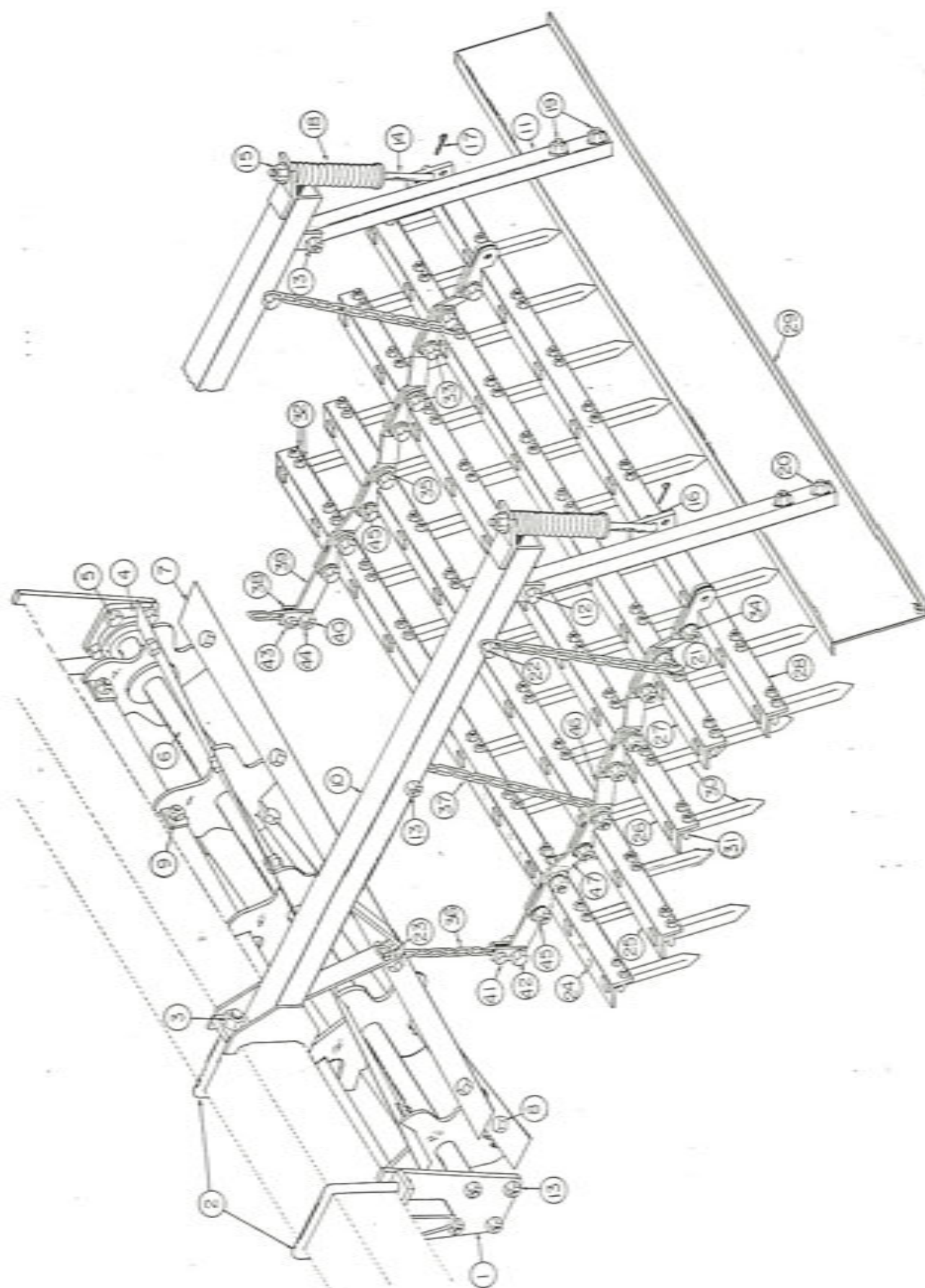
Ref. No.	Part No.	Description	No. Req'd
1	20327	Assy. A Frame.....	1
2	11399	U Bolt 7/8" Dia.....	6
3	10396	Lock Nut 7/8" Dia.....	12
4	6554	Hitch Pin 1" Dia. 5" Long.....	1
5	6570	Bushing 1 1/4 OD x .109 wt 2" Long.....	1
6	10910	Roll Pin 5/16 x 2 1/4.....	3
7	10317	Klik Pin 1/4.....	3
8	20321	Assy. Bottom Hitch.....	2
9	101809	Hitch Pin 1 1/8" Dia. 6 1/8" Long.....	2
10	100640	Bushing 1 7/16 OD 2 3/4" Long.....	2
11	20346	Assy. Adjusting Rod 8" Long.....	2
12	10868	Lock Nut 1" NC, PL, GR2.....	8
13	100856	Cylinder Mount.....	2
14	10373	Hex Screw 1 x 3 1/2 NC, PL, GR2.....	4



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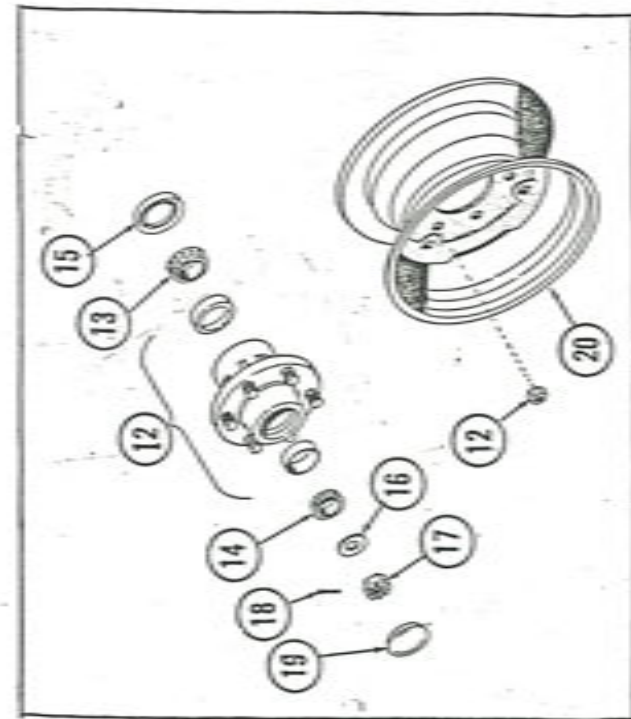
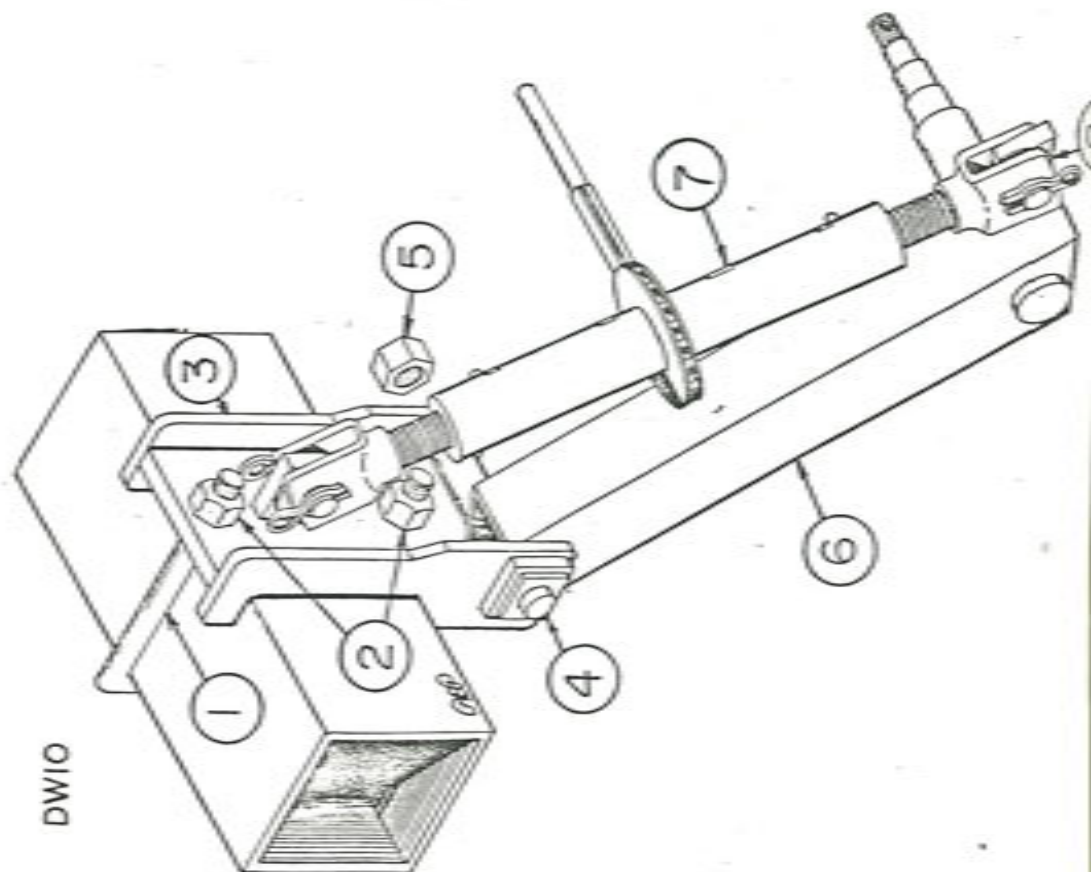
Hydraulic Tool Bar

Ref. No.	Part No.	Description	No. Req'd	
			HB6-1	HB6-2
1	20328	Assy. Hydraulic Tool Bar - 101" Long.....	1	1
2	20010	Assy. Hydraulic Wing - 109" Long.....	2	-
2	20011	Assy. Hydraulic Wing - 126" Long.....	-	2
3	0593	Assy. Wing Pivot Pin 1 1/2" Dia. x 12 11/16"....	2	2
4	10872	Flat Washer 1 3/8 PL.....	2	2
5	10232	Hex Nut 1 1/2-6NC Slotted.....	2	2
6	10910	Roll Pin 5/16 x 2 1/4.....	4	4
7	0618	Assy. Pivot Pin 1 x 8 1/4".....	2	2
8	10317	Klik Pin 1/4".....	2	2
9	11500	Bushing 1 3/4 OD x 1 1/2 ID 2" Long.....	4	4
10	10606	Grease Fitting 1/8 NPT Straight.....	2	2
11	100578	Pin 1" Dia. 5 1/2" Long.....	2	2



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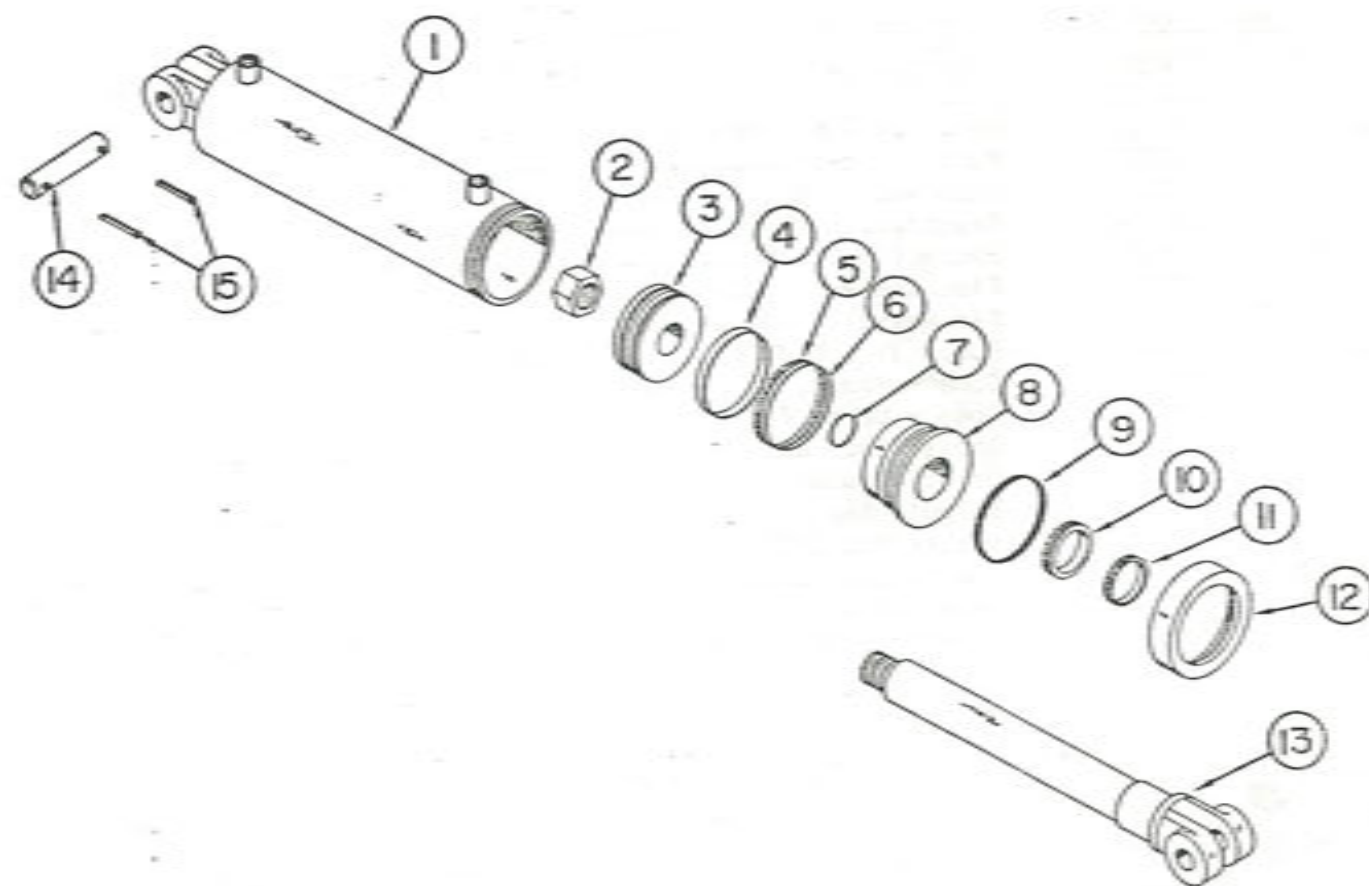
Ref. No.	Part No.	Description	No. Req'd
1.	20323	Assy. Bearing Riser.....	2
2	11399	"U" Bolt 7/8 Dia.....	4
3	10396	Lock Nut 7/8 NC, PL, GRB.....	8
4	11952	Bearing - Fafnir #TCJ 1 15/16.....	2
5	10587	Hex Screw 1/2 x 2 NC, PL, GR5.....	8
6	20326	Assy. Spider Reel.....	1
7	101826	Blade.....	5
8	10819	Hex Screw 5/8 x 1 1/4 NF, GR5.....	25
9	10752	Lock Nut 5/8 NF, GB.....	25
10	20322	Assy. Carrier Arm.....	2
11	20324	Assy. Drag Board Arm.....	2
12	10177	Hex Screw 1/2 x 3 NC, PL, GR5.....	2
13	10395	Lock Nut 1/2 NC, PL, GRB.....	14
14	20325	Assy. Spring Rod.....	2
15	11647	Flange Lock Nut 5/8 NC, PL, GRG.....	2
16	10059	Flat Washer 5/8 NC, PL... (not shown).....	2
17	10291	Cotter Pin 5/32 x 1 1/4.....	2
18	11950	Spring.....	2
19	10097	Hex Screw 1/2 x 2 1/2 NC, PL, GR5.....	4
20	11646	Flange Lock Nut 1/2 NC, PL, GRG.....	4
21	11949	Flat Washer 3/8 USS PL.....	4
22	10834	Hex Screw 1/2 x 4 NC, PL, GR5.....	4
23	11697	Klik Pin 7/16 Dia.....	2
24	20334	Assy. Harrow Bar No. 1 - 10 tooth.....	1
25	20335	Assy. Harrow Bar No. 2 - 10 tooth.....	1
26	20336	Assy. Harrow Bar No. 3 - 10 tooth.....	1
27	20337	Assy. Harrow Bar No. 4 - 10 tooth.....	1
28	20338	Assy. Harrow Bar No. 5 - 10 tooth.....	1
29	101831	Drag Board - Metal.....	1
30	11974	Harrow Tooth - Norcross 3/4 Sq. - 11H.....	50
31	11976	"U" Bolt 3/8 Dia.....	50
32	11869	Hex Nut 3/8.....	100
33	11975	Hex Head Cap Screw 1/2 x 1 1/2 ZP.....	18
34	11854	Hex Nut 1/2.....	18
35	11870	Flat Washer 3/8.....	36
36	11953	Chain - Tow 9 Links - 5/16 Proof Coil Chain.....	2
37	11954	Chain - Lift 17 Links - 1/4 Proof Coil Chain.....	4
38	11955	Plate.....	4
39	11956	Link.....	2
40	11957	Bushing 3/4 OD x 11 Ga. - 11/32 Long (not shown).....	2
41	11958	Hex Head Cap Screw 3/8 x 1 1/4.....	2
42	11959	Hex Head Cap Screw 1/2 x 1 1/4.....	2
43	11869	Hex Nut 3/8.....	2
44	11854	Hex Nut 1/2.....	2
45	11973	Bushing 3/4 OD x 11 Ga. wt - 27/32 Long (not shown).....	18
46	11971	Link - R.....	4
47	11972	Link - L.....	4



AMCO Depth Gauge Wheel
(Optional)

Ref. No.	Part No.	Description	No. Req'd
1	11399	"U" Bolt 7/8 Dia.....	1
2	10396	Lock Nut 7/8 NC,PL.....	2
3	0973	Assy. Bottom Bracket.....	1
4	20123	Assy. Pivot Pin.....	1
5	10868	Lock Nut 1" NC,PL.....	1
6	20124	Assy. Depth Gauge Leg Right Hand or Left Hand.....	1
7	11494	Ratcheting Jack.....	1
8	10879	Flat Washer 1" USS,PL.....	4
11	11396	Pin Assy. 1" Dia. x 2 7/8" (w/2 Hair Pin Clips).....	2
12	11644	Hub - (F & H #106675).....	1
13	10353	Cone - Inner Timken #LM48548.....	1
14	10295	Cone - Outer Timken #LM67048.....	1
15	11017	Grease Seal C/R #17618.....	1
16	10263	Spindle Washer 7/8.....	1
17	10264	Spindle Nut 7/8 NF.....	1
18	10291	Cotter Pin 5/32 x 1 1/4.....	1
19	10356	Hub Cap.....	1
20	10265	Wheel 15 x 6 - 6 Hole EWC #0411141.....	1

Note: Parts listed above compose one (1) depth gauge.



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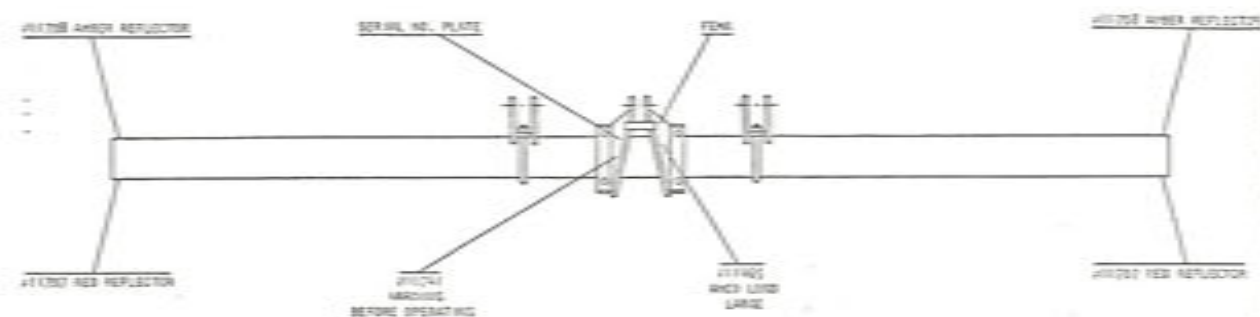
Hydraulic Cylinders

3 x 16 Hydraulic Cylinder

Ref. No	Part No.	Description	No. Req'd
1	11377	Cylinder Complete (Lantex #3752-BL).....	1
2	11386	Barrell Assy.....	1
3	10980	Lock Nut - Self Locking 1"-14NF.....	1
4	11384	Piston.....	1
5	*11390	Wear Ring.....	1
6	*11388	Piston Seal.....	1
7	*11389	"O" Ring.....	1
8	*11252	Rod Static Seal.....	1
9	11382	Gland.....	1
10	*11387	Gland Static Seal.....	1
11	*11250	Rod Seal.....	1
12	*11251	Rod Wiper.....	1
13	11383	Collar.....	1
14	11385	Rod Assy.....	1
15	11396	Pin Assy. w/2 Hair Pin Clips 1" Dia. x 4" Long.....	1
	11391	Seal Repair Kit	
Note: Items 4,5,6,7,9,10 & 11 sold in seal repair kit only			

3 1/2 x 16 Hydraulic Cylinder

Ref. No.	Part No.	Description	No. Req'd
1	11964	Cylinder Complete (Lantex #X4793-BL).....	1
2	11965	Barrel Assy.....	1
3	10980	Lock Nut - Self Locking 1"-14NF.....	1
4	11245	Piston.....	1
5	*11253	Wear Ring.....	1
6	*11255	Piston Seal.....	1
7	*11254	"O" Ring.....	1
8	*11252	Rod Static Seal.....	1
9	11243	Gland.....	1
10	*11249	Gland Static Seal.....	1
11	*11250	Rod Seal.....	1
12	*11251	Rod Wiper.....	1
13	11244	Collar.....	1
14	11966	Rod Assy.....	1
15	11396	Pin Assy. w/2 Hair Pin Clips 1" Dia. X 4" Long.....	1
	11242	Seal Repair Kit	
Note: Items 4,5,6,7,9,10 & 11 sold in seal repair kit only.			



Hydraulic Circuit

Part No.	Description	No. Req'd
11964	3 1/2 x 16 Hydraulic Cylinder.....	1
11377	3 X 16 Hydraulic Cylinder.....	1
11322	Hose 1/4 x 18 with 1/4 NPT Fittings.....	2
11119	Hose 1/4 x 36 with 1/4 NPT Fittings.....	2
11127	Swivel Elbow 90° 1/2 NPTF male to 1/4 NPTF female....	4
11126	Male Branch Tee 1/2 NPTF male to 1/4 NPTF female branch 2	2
11157	Swivel Union 1/2 NPTF to 1/2 NPTF.....	2
11128	Hose Tie - 5/16 x 12.....	6
11462	Pipe Sealant - 6CC tube loctite.....	1

Note: See Assembly instructions for proper placement

DECALS

Part No.	Description	No. Req'd
11466	AMCO Logo Small.....	2
11708	Amber Reflector.....	2
11707	Red Reflector.....	2
11548	FEMA.....	1
11741	Warning before Operating.....	1
11743	Warning Folding Wings.....	1

(Use on wing models only)

