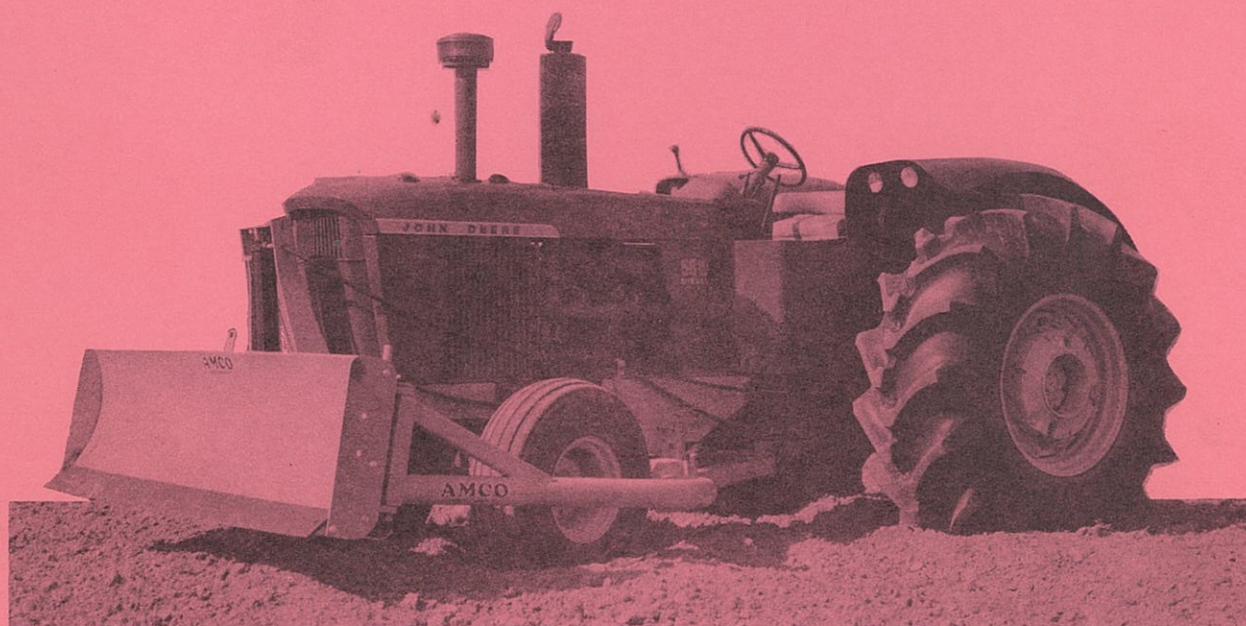


OPERATING AND ASSEMBLY INSTRUCTIONS

(Amco) Dozer Blade

MODEL NO. 905 – Straight, Tilt and Angle



EFFECTIVE DATE

FEBRUARY 15, 1968

Alexander Manufacturing Company

***Manufacturers of Quality-Built Farm and
Industrial Equipment***

P. O. Box 107

YAZOO CITY, MISSISSIPPI 39194

Phone 746-4464

TO THE CUSTOMER:

Alexander Manufacturing Company would like to thank you for buying the most rugged farm tractor dozer on the market. The AMCO Model 905 Farm Tractor Dozer was designed for the big farm tractors with over 100 horsepower.

This dozer will put you in control of a machine that weighs 14,000 to 20,000 pounds and can push well over 10,000 pounds. The AMCO Model 905 Farm Tractor Dozer comes equipped with a heavy duty, front mounted hydraulic cylinder. This puts you in control of over 10,000 pounds of lifting force at the tip of the moldboard. This is power to spare for the most rugged jobs. Yet, you still have precise control of your dozer for those jobs that require the utmost precision. The Model 905 Farm Tractor Dozer gives you performance and ease of adjustability that is superior to any other farm tractor dozer on the market. **But remember, this is a farm tractor dozer mounted on a farm tractor. Care should be taken to see that this machine is not abused. Abuse can damage your dozer and tractor.**

This operator's manual was prepared for your convenience. The mounting instructions will save you considerable time and effort in mounting the dozer on your tractor. The instructions on adjusting and operating the dozer will help you obtain the maximum benefit from the many features designed into your AMCO Model 905 Farm Tractor Dozer. **Please read this operator's manual for your benefit.**

Sincerely yours,


ALEXANDER MANUFACTURING COMPANY

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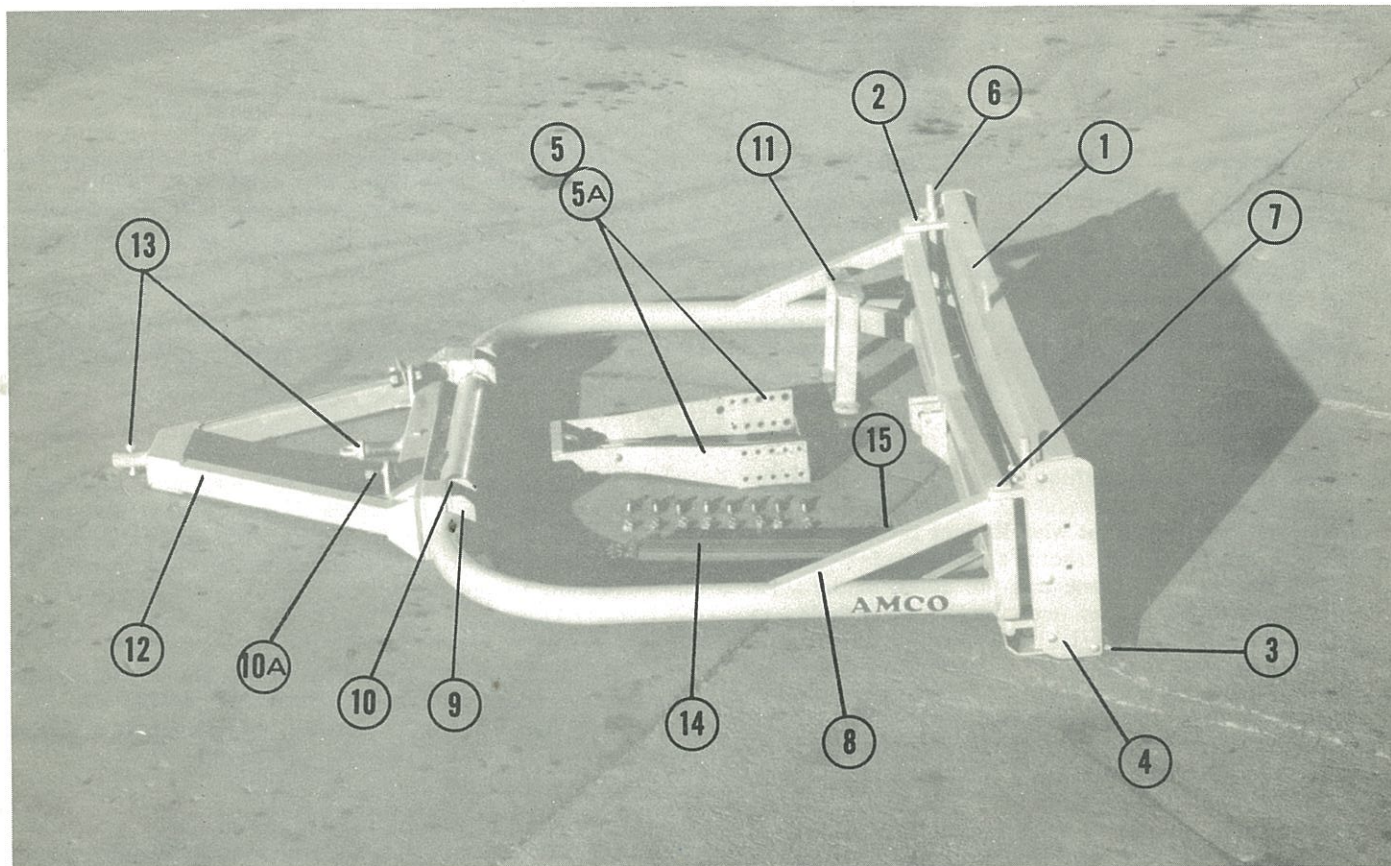
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AMCO MODEL DOZER BLADE 905



(FIG. 1)

PARTS LIST

Ref. No.	Description	Part No.	No. Req.	Ref. No.	Description	Part No.	No. Req.
1	Blade, Mold Board	1653	1	10	Bearing Journal	1795	2
2	Set Screw 5/8 x 1½ NC	10137	4		Blade-Tilt Bracket (Not Shown)	7441	1
3	Mold Board Edge	6849	1		Carriage Bolt ¾ x 2 NC (Plated)	10346	1
	Plow Bolt 5/8 x 1¾ NC	10662	7	10A	Pivot Bolt 1-3/8" Diameter	1586	2
	Lock Washer 5/8 (Plated)	11002	15		Cut Washer 1-3/8"	10229	1
	Hex Nut 5/8 NC (Plated) HT	10668	15		Lock Washer 1-3/8"	10673	2
4	End Plate	6720	2		Hex Nut 1-3/8" SAE	10088	2
	Carriage Bolt 5/8 x 1½ NC (Plated)	10680	8	11	Angle Bracket	1589	1
5	Radiator Guard	1781	1	12	Frame Carriage	1798	1
5A	Transport Bar	1835	1	13	Pivot Pin	1799	2
	Rivet ¾ x 2½	10019	2		Hose Holder (Long)	7368	2
	Klik Pin ¼	10317	2		Hose Holder (Short)	7369	2
	Machine Bolt ¾ x 2½ NC	10678	8		Carriage Bolt 3/8 x 2½ NC	10724	2
	Lock Washer ¾ (Plated)	10061	8		Lock Washer 3/8	11070	2
	Hex Nut ¾ NC (Plated)	10669	19		Hex Nut 3/8 NC	11074	2
6	Depth Gauge	1579	2	14	Cylinder (Cross)	10729	1
7	Anchor Bolt 1¼" Diameter	1580	2	15	Ball Adapter	1785	1
	Lock Washer 1¼	10192	2		Connecting Pin 1" Diameter, 4½" Lg.	7397	1
	Hex Nut 1¼ NC	10149	2		Cotter Pin ¼ x 2	10087	2
8	Main Frame	1794	1				
9	Bearing Cap	1581	2				
	Machine Bolt ¾ x 6 NC (Plated)	10676	8				
	Machine Bolt ¾ x 5 NC (Plated)	10671	1				
	Machine Bolt ¾ x 4 NC (Plated)	10113	1				

INSTRUCTIONS FOR ATTACHING THE AMCO MODEL 905 FARM TRACTOR DOZER TO THE TRACTOR

- I. The mounting kit should already be attached to the tractor as described in mounting kit attaching instructions.

The dozer should be on the ground with the dozer cutting edge down. The push cradle (Fig. 2-7 No. 3) should now be attached to the frame carriage (Fig. 1 No. 12). Use the two 1-3/8" diameter slide bolts and 7/8" diameter carriage bolt to assemble the frame carriage, push cradle and tilt hold strap.

II. Instructions for Attaching the Assembled Dozer to the Tractor:

Drive the tractor's front wheels over the "C" frame (Fig. 1 No. 8). The tractor's front wheels should be inside the "C" frame and the holes in the front mount plates should be over the mounting holes in the dozer push cradle. Lift the front of the carriage frame and insert one 5/8" diameter carriage bolt through the front mount plate and push cradle mounting plate. Repeat this procedure by placing a bolt through the front mount plate and push cradle mounting plate on the opposite side of the tractor. Tighten the two bolts hand tight.

Lift the rear of the carriage frame (Fig. 1 No. 12) and attach the carriage frame to the rear mount bracket that was previously mounted on the tractor. Use the large pivot pin (Fig. 1 No. 13) for this purpose. Secure the pivot pin in place with the 3/4" x 4" machine bolt.

Insert four 5/8" diameter carriage bolts through the left front mount plate and the push cradle mount plate and tighten these bolts hand tight. Repeat this procedure on the right side.

The radiator guard assembly (Fig. 1 No. 5) should be mounted on the front of the tractor. The open side of the guard should be toward the front. Use the center set of holes for mounting the radiator guard. The radiator guard has 3 sets of holes. These additional holes can be used to adjust the lift span of the blade.

III. Instructions for Attaching the Partially Assembled Dozer to the Tractor:

After the dozer has been mounted on the tractor, the dozer can be disassembled at the bearing caps (Fig. 1 No. 9). The carriage frame can be left on the tractor and the tractor can be used for other jobs.

The hydraulic cylinder should be disconnected. Remove the four bolts that hold each bearing cap and journal in place, lower the "C" frame to the ground and back the tractor away from the "C" frame.

To remount the "C" frame, drive the tractor over the "C" frame. Then connect the hydraulic cylinder, replace the bearing caps and journals. Then tighten all bolts securely.

IV. Instructions for Attaching the Hydraulic Cylinder:

The AMCO Farm Tractor Dozer is designed to be raised and lowered by a special heavy duty hydraulic cylinder which is furnished with the dozer as standard equipment.

NOTE: The two hydraulic hoses are not furnished as standard equipment. However, AMCO will furnish these hoses as optional equipment at a slight additional cost if they are requested.

The two hydraulic hoses should have an inside diameter of 3/8" or 1/2" and be able to operate at pressures over 2,000 lbs. per square inch. Most tractors will require two hoses 12 to 16 feet long. The rear of the cylinder should be attached to the upper part of the radiator guard. The rod end of the cylinder should be attached to the bracket on the "C" frame (Fig. 1 No. 8).

The two hoses should be attached to the cylinder and clamped to the left side of the tractor. Two clamps are provided to clamp the hoses. These clamps can be mounted at any convenient location of the left side of the tractor. The two hoses should now be connected to the tractor's hydraulic fluid outlets.

Pushing the hydraulic control lever forward should lower the dozer blade. If this raises the blade, swap the hoses on the tractor's hydraulic fluid outlets. Pushing the control lever forward should lower the dozer blade and pulling the lever to the rear should raise it.

CAUTION! Be sure and tighten all bolts before operating the dozer.

INSTRUCTIONS FOR OPERATION AND ADJUSTMENT OF THE AMCO MODEL 905 FARM TRACTOR DOZER

I. Cutting Depth:

The cutting depth of the dozer is regulated by the hydraulic cylinder. In addition to the hydraulic cylinder, the AMCO Model No. 905 Farm Tractor Dozer has a set of two depth gauges (Fig. 1 No. 6) as standard equipment. These depth gauges can be used to keep the dozer from going too deep at the beginning of a cut. Also, the depth gauges can be used when scraping a feed lot or on many other dozing jobs.

The height of the depth gauge is regulated by loosening the set screws at the upper outside corners of the moldboard sliding the depth gauge to the desired setting and tightening the set screws.

II. Lift Span Adjustment:

The radiator guard (Fig. 1 No. 5) has 3 sets of mounting holes. The lift span of the blade can be varied by using the various sets of mounting holes.

III. Tilting the AMCO Model No. 905 Farm Tractor Dozer:

The AMCO Model No. 905 Farm Tractor Dozer can be tilted about twelve and one half inches right or left. Before tilting the dozer, loosen the two 1-3/8" diameter slide bolts on the front corners of the carriage frame (Fig. 1 No. 10-A). Then remove the 7/8" diameter carriage bolt on the left front side of the push cradle. Raise the dozer blade about twelve to fifteen inches from the ground and tilt the blade to the right or left by standing on one side of the "C" frame (Fig. 1 No. 8). When the dozer is tilted to the desired angle, replace the 7/8" diameter carriage bolt.

CAUTION! Be sure and thoroughly tighten the two bolts before operating the dozer.

IV. Angle Bracket: (Fig. 1 No. 11)

The bracket can be used to angle the dozer to the right or left. To mount the bracket, lift the dozer to the highest position. Remove the bolt that holds the moldboard to the "C" frame on the side you wish to mount the bracket (Fig. 1 No. 7). Loosen the set screws that hold the depth gauge in place. Swing the moldboard out from the "C" frame and remove the depth gauge (Fig. 1 No. 6). Place the angle bracket between the mounting lugs on the moldboard and replace the depth gauge sliding it up through the holes in the angle bracket. Mount the other end of the bracket to the "C" frame with the anchor bolt (Fig. 1 No. 7).

It is not necessary to completely remove the angle bracket to change the dozer back to the straight position. Remove the anchor bolt that holds the angle bracket to the "C" frame. Move the moldboard forward and fold the angle bracket toward the center of the dozer. Move the moldboard back to the "C" frame and replace the anchor bolt.

V. Blade End Plates: (Fig. 1 No. 4)

The two end plates can be removed from the dozer blade or left on the dozer blade. Leaving the plates on will help hold dirt when pushing. Removing the plates will aid in dirt flow when using the dozer in the tilt or angle position.

VI. Transport Bar: (Fig. 1 No. 5-A)

A transport bar is provided with the AMCO Model Number 905 Farm Tractor Dozer. This bar should be attached to the radiator guard when not in use.

If you wish to remove the hydraulic cylinder or disconnect the hydraulic cylinder, you can attach the lower part of the transport bar (Fig. 1 No. 5-A) to the bracket on the "C" frame (Fig. 1 No. 8). This bar will hold the dozer in the raised position.

INSTRUCTIONS FOR MAINTENANCE OF THE AMCO MODEL 905 FARM TRACTOR DOZER

Regardless of how well a piece of machinery is built, it needs occasional maintenance to keep it operating at peak efficiency. The AMCO Farm Tractor Dozer is no exception. A few minutes spent in maintenance will add to the life of the dozer. We recommend good operator practices in addition to the following periodic maintenance.

- I. Grease the two bearing caps (Fig. 1 No. 9) with a good grade of pressure gun or chassis grease before using the dozer. The bearings should then be greased every day or after every 10 hours of operation.
- II. Check all bolts and make sure they are tight before using the dozer. After the first 10 hours of operation, the bolts should be rechecked for tightness. After the first 10 hours of operation, the

bolts should be checked at least after every 50 hours of operation.

The AMCO Model 905 Farm Tractor Dozer is equipped with a High Carbon Steel cutting edge. Should this edge become worn, the blade can be reversed by removing the bolts and turning the cutting edge over.

Remember, the 905 dozer is a farm tractor dozer mounted on a farm tractor. The tractor and dozer were not designed for pushing heavy brush or for clearing land. Abusing the dozer could cause serious damage to the dozer and tractor. AMCO will not be responsible for any damage to the tractor under any circumstances. Also, AMCO will not guarantee any part of any dozer that has been abused.

BRUSH GUARD MODEL 80

The brush guard was designed to mount on your AMCO farm tractor dozer's radiator guard. This guard is designed to protect your hydraulic cylinder, hydraulic hoses and tractor from light brush and trash.

The brush guard should not be used with the brush rack.

PARTS LIST

Ref. No.	Part No.	Description	No. Req.
1	1786	Brush Guard	1
2	7399	Hold Strap	2
3	10074	Machine Bolt $\frac{3}{4}$ x 2 USS Plated	6
4	10061	Lock Washer $\frac{3}{4}$ Plated	6
5	10072	Hex Nut $\frac{3}{4}$ USS Plated	6

Brush Guard Attaching Instructions:

The two mounting lugs on the brush guard mount near the top of the radiator guard. Use two $\frac{3}{4}$ " x 2" machine bolts to attach the brush guard to the radiator guard.

Mount the hold straps to the bottom set of holes on the brush guard. Attach the hold straps to any convenient hole in the lower portion of the radiator guard.

CAUTION! Before tightening any bolts raise the dozer and be sure that the brush guard clears the hydraulic cylinder and dozer blade.

If the blade or hydraulic cylinder do not clear the guard the guard can be adjusted by using an alternate set of holes in the hold strap. After checking for clearance tighten all bolts securely.

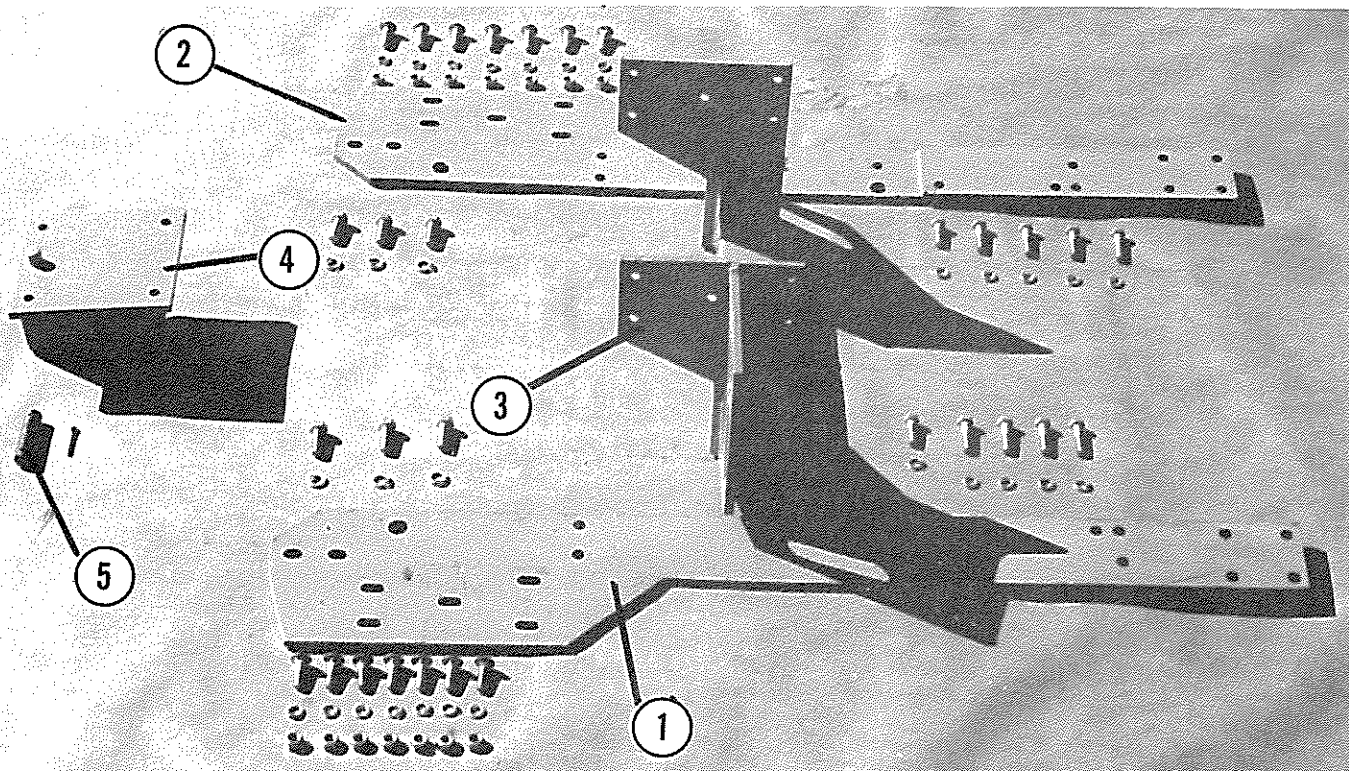
BRUSH RACK MODEL 105

The brush rack was designed to mount on your AMCO Farm Tractor Dozer's moldboard. This rack was designed to protect your tractor and operator from brush and trash. This rack will also aid in piling brush or trash.

CAUTION! The AMCO brush rack was designed to protect your tractor and operator.

Brush Rack Attaching Instructions:

The brush rack was designed to mount on your AMCO Farm Tractor Dozer's moldboard. Remove the end plates (Fig. 1 No. 4) from the dozer moldboard (Fig. 1 No. 1) and use the end plate bolts to mount the brush rack to the moldboard.



(FIG. 2)

IH-17 – ADAPTING KIT – FARMALL 806, 1206

PARTS LIST

Ref. No.	Description	Part No.	No. Req.
1	Front Mount Plate RH	1868	1
2	Front Mount Plate LH	1869	1
	Carriage Bolt 5/8 x 2 NC HT	10665	14
	Machine Bolt 5/8 x 2 1/2 NC HT	10674	10
	Lock Washer 5/8 (Plated)	11002	24
	Hex Nut 5/8 (Plated) HT	10668	14
	Machine Bolt 3/4 x 2 NC HT	10670	6
	Lock Washer 3/4 (Plated)	10061	6
3	Push Cradle	1870	1
4	Rear Mount Bracket	1871	1
5	Retainer Pin	6979	1
	Cotter Pin 1/4 x 1 1/2	10075	2

INSTRUCTIONS FOR ATTACHING AMCO FARM TRACTOR DOZER MOUNTING KIT NO. IH-17 TO FARMALL 806 AND 1206 TRACTORS

I. Attaching Rear Mount Bracket: (Fig. 2 No. 4)

Remove the pin that holds the tractor's swinging drawbar in place, then remove the drawbar support bracket.

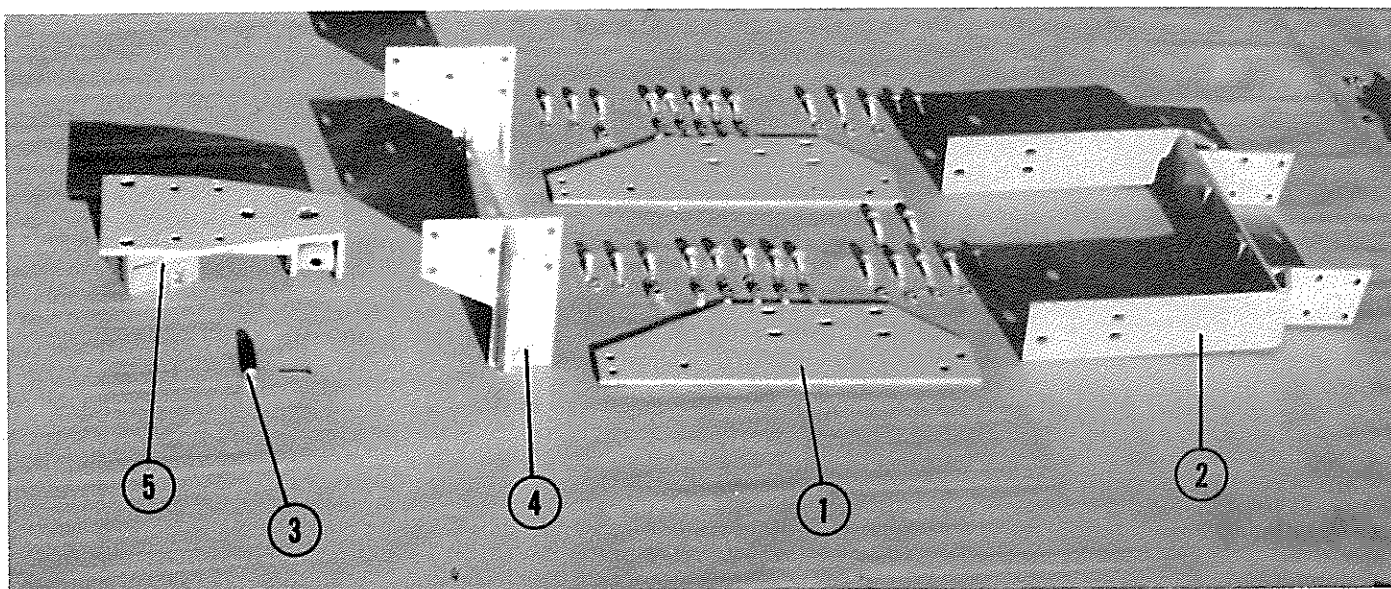
Mount the rear mount bracket (Fig. 2 No. 4) in place of the drawbar support bracket. Re-attach the swinging drawbar using the 1-1/8" diameter pin and klik pin supplied with the dozer kit.

If desired, the dozer rear mount bracket (Fig. 2 No. 4) can be left on the tractor when the dozer is removed.

II. Attaching Front Mount Plates: (Fig. 2 No. 1 & 2)

The two front mount plates mount on each side of the tractor's side frame with the reinforcement plates to the front and turned outside.

Remove the weights and weight support bracket from the front of the tractor. There are two rows of bolts on the front part of the tractors side frame. Remove the front three bolts on the top row of bolts and the first and fourth bolts from the bottom row of bolts. After these bolts have been removed from both sides of the tractor mount the plates using the bolts supplied with the dozer mounting kit. Leave the bolts loose until the entire dozer has been mounted on the tractor then tighten all bolts securely.



(FIG. 3)

JD-23 – ADAPTING KIT – JOHN DEERE 5010, 5020

PARTS LIST

Ref. No.	Description	Part No.	No. Req.
1	Front Mount Plate	7732	2
2	Radiator Guard Mount	1875	1
	Machine Bolt $\frac{3}{4}$ x 3 NC HT (Plated)	10727	2
	Machine Bolt $\frac{3}{4}$ x 2 NC HT (Plated)	10670	6
	Machine Bolt $\frac{3}{4}$ x $2\frac{1}{2}$ NC HT (Plated)	10678	10
	Lock Washer $\frac{3}{4}$ (Plated)	10061	18
	Hex Nut $\frac{3}{4}$ NC HT (Plated)	10669	2
	Carriage Bolt $\frac{5}{8}$ x 2 NC HT (Plated)	10665	10
	Lock Washer $\frac{5}{8}$ (Plated)	11002	10
	Hex Nut $\frac{5}{8}$ NC HT (Plated)	10668	10
3	Retainer Pin	7733	1
	Cotter Pin $\frac{1}{4}$ x 2	10087	2
4	Push Cradle	1876	1
5	Rear Mount Bracket	1877	1

INSTRUCTIONS FOR ATTACHING AMCO FARM TRACTOR DOZER MOUNTING KIT NO. JD-23 TO JOHN DEERE 5010 AND 5020 TRACTORS

I. Attaching Rear Mount Bracket: (Fig. 3 No. 5)

Remove the pin that holds the tractor's swinging drawbar in place and slide the drawbar six to eight inches to the rear. Remove the tractor's drawbar support bracket and place them in the rear mount bracket (Fig. 3 No. 5).

Mount the rear mount bracket (Fig. 3 No. 5) in place of the drawbar support bracket. Re-attach the swinging drawbar using the $\frac{1}{4}$ " diameter pin and klik pin supplied with dozer kit.

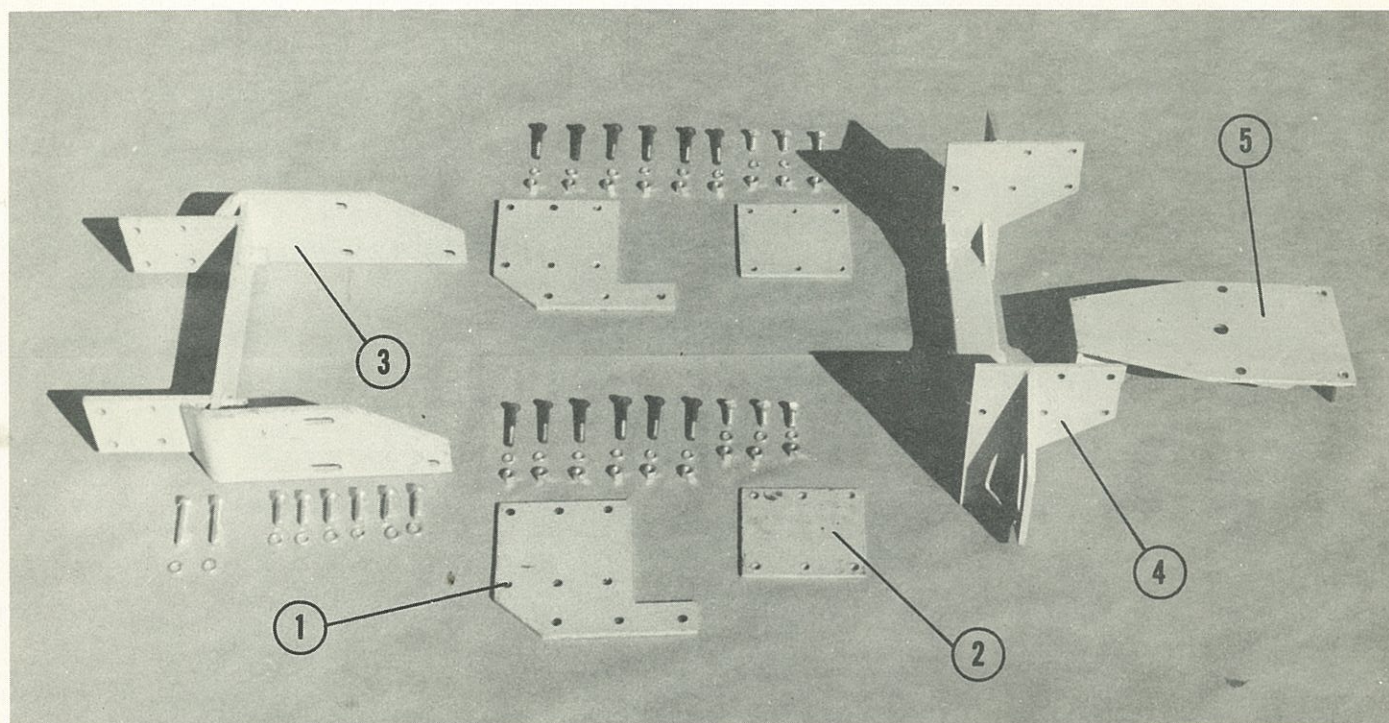
If desired, the dozer rear mount bracket (Fig. 3 No. 5) can be left on the tractor when the dozer is removed.

II. Attaching Front Mount Plates: (Fig. 3 No. 1)

The two front mount plates mount on each side of the tractor near the rear of the side frame. Remove the step from the left side of the tractor. Remove the second, third, fourth and fifth bolts from the rear of the tractor's side frame. After removing the bolts from both sides of the tractor the mount plates can be bolted to the tractor. Leave the bolts loose until the entire dozer has been mounted on the tractor then tighten all bolts securely.

III. Attaching Front Mount Cradle: (Fig. 3 No. 2)

Remove the weights and weight support bracket from the front of the tractor. Remove the three lower forward bolts from each side of the tractor's side frame. Bolt the front mount cradle to the tractor using three $\frac{3}{4}$ " diameter bolts on each side of the tractor and two $\frac{3}{4}$ " diameter bolts on the front of the tractor.



(FIG. 4)

AC-33 - ADAPTING KIT - ALLIS CHALMERS D-21

PARTS LIST

Ref. No.	Description	Part No.	No. Req.
1	Front Mount Plate	7716	2
2	Side Plate Clamp	7717	2
	Carriage Bolt 5/8 x 3 1/2 NC	10372	12
	Carriage Bolt 5/8 x 2 NC HT (Plated)	10665	16
	Lock Washer 5/8 (Plated)	11002	28
	Hex Nut 5/8 NC HT (Plated)	10668	28
3	Radiator Guard Mount	1872	1
	Machine Bolt 3/4 x 3 1/2 NC	10047	6
	Machine Bolt 3/4 x 4 NC	10104	2
	Lock Washer 3/4	10002	8
4	Push Cradle	1873	1
5	Rear Mount Bracket	1874	1

INSTRUCTIONS FOR ATTACHING AMCO FARM TRACTOR DOZER MOUNTING KIT NO. AC-33 TO ALLIS CHALMERS D-21 TRACTORS

I. Attaching Rear Mount Bracket: (Fig. 4 No. 5)

Remove the pin that holds the tractor's swinging drawbar in place and slide the drawbar ten to twelve inches to the rear. Remove the drawbar support bracket and replace this bracket with the dozer rear mount bracket. The flat side of this

bracket should be turned up and the narrow end should go forward. Re-attach the swinging drawbar using the drawbar pull pin.

If desired, the dozer rear mount bracket (Fig. 4 No. 5) can be left on the tractor when the dozer is removed.

II. Attaching Front Mount Plates and clamp plates:

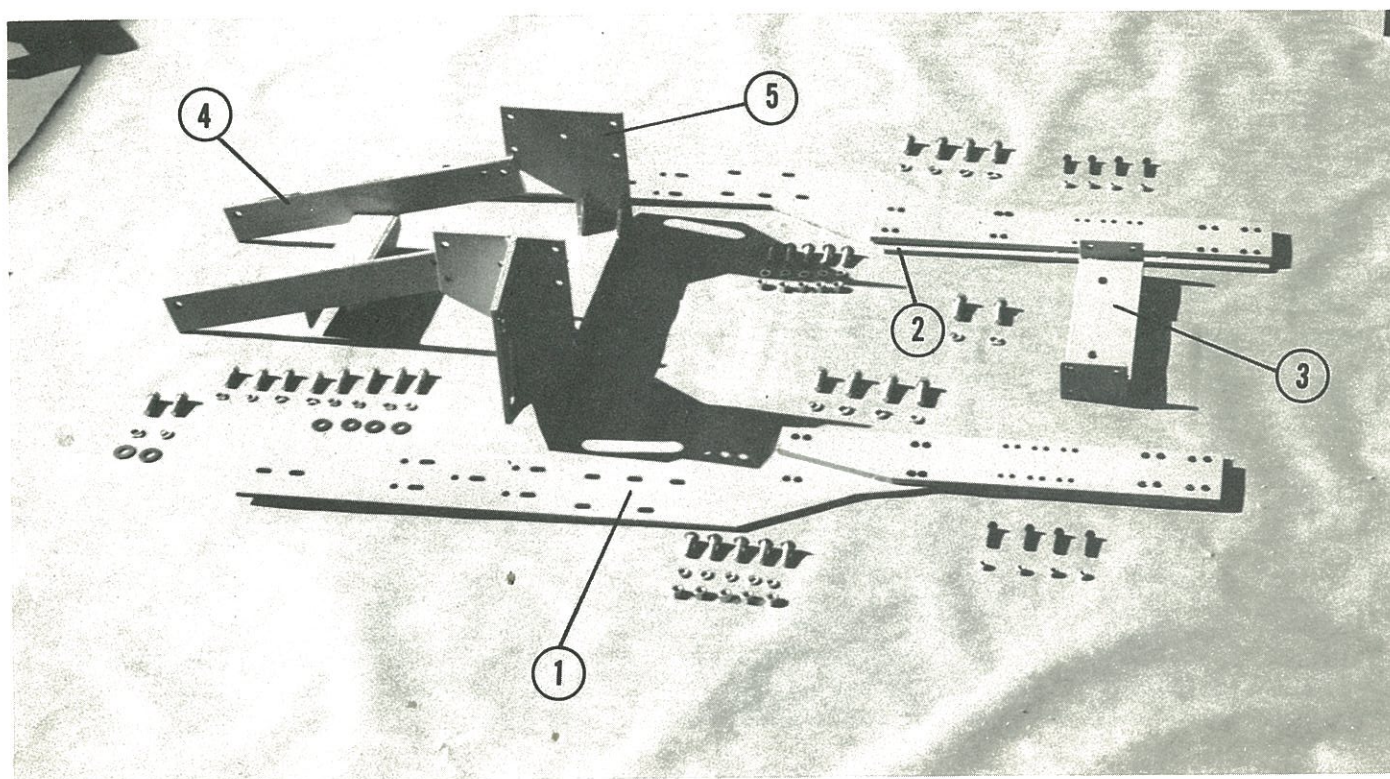
The dozer front mount plates clamp to the rear part of the tractor's side frame. Remove the step plate from the left side of the tractor. Place the 3/8" x 10" clamp plate between the side frame and engine. The two rows of holes should be horizontal. The side plate should be placed outside the side rail with the beveled corner down and forward.

Secure the side plate and clamp plate to each other using the upper three and forward center hole on the side plate. Use four 5/8 x 3 bolts for this operation.

Repeat this procedure on the opposite side of the tractor. Leave these bolts loose until the entire dozer has been mounted on the tractor then tighten all bolts securely.

III. Attaching Front Mount Cradle: (Fig. 4 No. 3)

Remove the weights and weight support bracket from the front of the tractor. Remove the three lower forward bolts from each side of the tractor's side frame. Bolt the front mount cradle to the tractor using three 3/4" diameter bolts on each side of the tractor and two 3/4" diameter bolts on the front of the tractor.



(FIG. 5)

JC-54-JI CASE 930, 1030 ROW CROP TRACTORS AND CASE 1032 ALL PURPOSE TRACTOR

PARTS LIST

Ref. No.	Description	Part No.	No. Req.
1	Front Mount Plate RH	1882	1
2	Front Mount Plate LH	1883	1
	Machine Bolt 5/8 x 2 1/2 NC HT	10674	4
	Cut Washer 5/8	10059	4
	Lock Washer 5/8 (Plated)	11002	18
	Machine Bolt 3/4 x 2 NC HT	10670	4
	Machine Bolt 3/4 x 2 1/2 NC HT	10678	8
	Cut Washer 3/4	10078	10
3	Front Cross Brace	1884	1
	Lock Washer 3/4	10061	4
	Cap Screw 1/2 x 2 1/4 SAE	10704	8
	Lock Nut 1/2 SAE	10498	8
4	Rear Mount Bracket	1885	1
5	Push Cradle	1870	1
	Carriage Bolt 5/8 x 2 NC HT	10665	10
	Hex Nut 5/8 NC HT	10668	10

INSTRUCTIONS FOR MOUNTING AMCO FARM TRACTOR DOZER MOUNTING KIT NO. JC-54 TO CASE 930 AND 1030 ROW CROP TRACTORS AND CASE 1032 ALL PURPOSE TRACTOR

I. Attaching Rear Mount Bracket: (Fig. 5 No. 4)

The rear mount bracket attaches under and slightly to the rear of the tractor's transmission. Lay the bracket under the tractor with the two side bars

facing forward and upward. Lift the front of the bracket and mount the bracket on the side of the transmission housing with one 5/8" diameter bolt. Mount the front of the bracket on the opposite side of the tractor with another 5/8" diameter bolt. Leave both bolts hand tight.

Swing the rear of the bracket up and mount with two 3/4" diameter bolts.

Complete the mounting of the bracket by putting two additional 5/8" diameter bolts in the front of the bracket. Leave the bolts loose until the entire dozer has been mounted, then tighten all bolts securely.

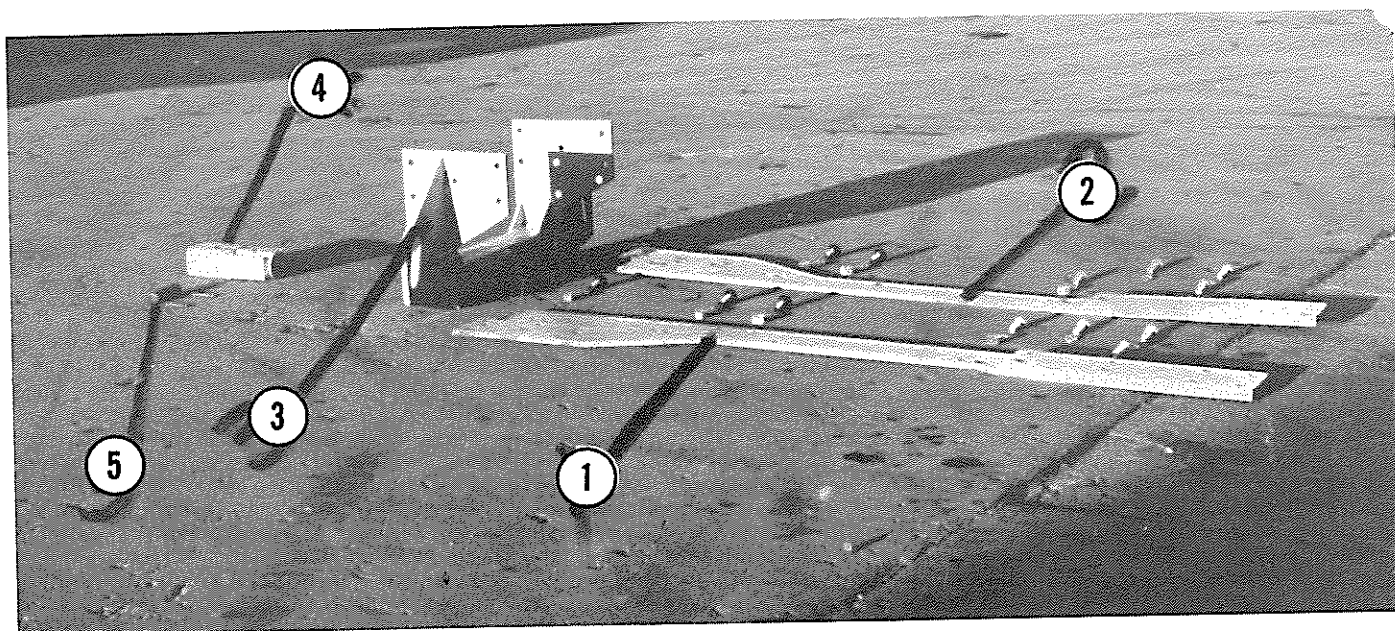
II. Attaching Front Mount Plates: (Fig. 5 No. 1 & 2)

The two front mount plates mount on each side of the engine. The steps on each side of the operator's platform and front end weights must be removed. The small mounting pads should be turned to the rear and inside. Use the front set of mounting holes for the Case 1030 tractor and rear set of mounting holes for the Case 930 tractor.

These plates have two sets of holes for mounting dozer frame carriages. Use the rear set of holes for your Model 905 Farm Tractor Dozer.

III. Attaching Front Cross Bar: (Fig. 5 No. 3)

Mount the front cross bar to the front of the tractor with two 3/4" diameter bolts. Mount the ends of the cross bar to the side plates using the 1/2" diameter bolts supplied with the dozer kit. The front set of holes should be used for the Case 1030 tractor, and the rear set of holes for the Case 930 tractor.



(FIG. 6)

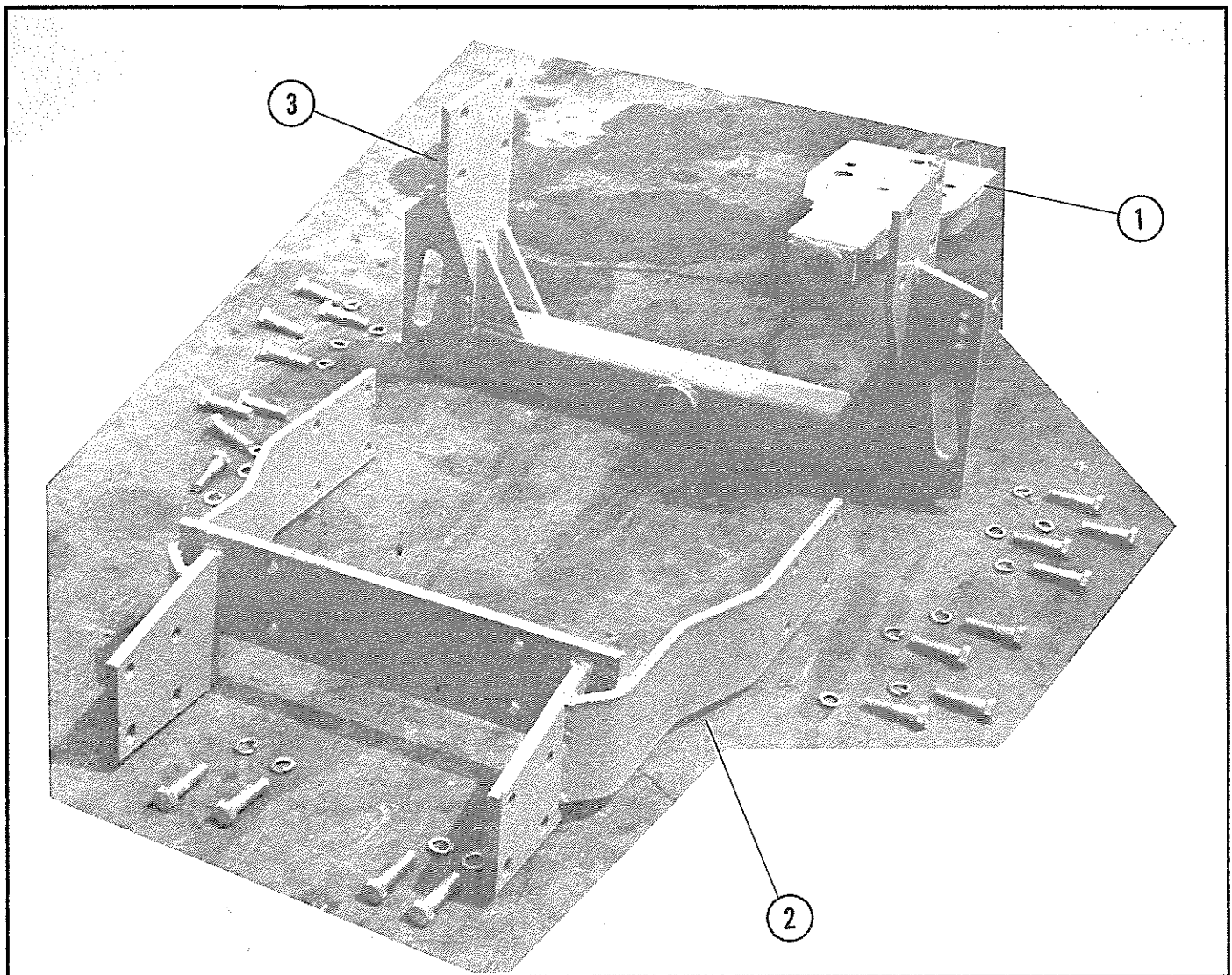
MM-83 - MINNEAPOLIS MOLINE G-1000

PARTS LIST

Ref. No.	Description	Part No.	No. Req.
1	Front Mount Plate RH	1878	1
2	Front Mount Plate LH	1879	1
	Machine Bolt $\frac{3}{4}$ x $2\frac{1}{2}$ HT	10678	6
	Machine Bolt $\frac{3}{4}$ x 2 NC HT	10670	2
	Carriage Bolt $\frac{3}{4}$ x 2 NC HT	10346	6
	Lock Washer $\frac{3}{4}$ (Plated)	10061	14
	Hex Nut $\frac{3}{4}$ NC HT (Plated)	10669	3
3	Push Cradle	1880	1
4	Rear Mount Bracket	1881	1
5	Retainer Pin	7733	1
	Cotter Pin $\frac{1}{4}$ x 2	10087	2
	Carriage Bolt $\frac{5}{8}$ x 2 NC	10665	10
	Lock Washer $\frac{5}{8}$ (Plated)	11002	10
	Hex Nut $\frac{5}{8}$ NC HT (Plated)	10668	10

INSTRUCTIONS FOR ATTACHING AMCO FARM TRACTOR DOZER MOUNTING KIT NO. MM-83 TO MINNEAPOLIS MOLINE G-1000 AND G-1000 VISTA TRACTORS

- I. **Attaching Rear Mount Bracket:** (Fig. 6 No. 4)
The rear mount bracket is designed to mount on the front end of the tractor's swinging drawbar. Remove the pull pin that holds the swinging drawbar in place, and slide the drawbar as far forward as possible. After sliding the drawbar forward, replace the pull pin and fasten the drawbar at the rear of the tractor to keep it from swinging. Slide the rear mount onto the front of the drawbar. The tube end should be toward the front of the tractor. Insert the connecting pin (Fig. 6 No. 3) through the hole in the bracket and the tractor's drawbar. Secure the connecting pin with cotter pins.
- II. **Attaching Front Mount Plates:** (Fig. 6 No. 1 & 2)
The two front mount plates mount on each side of the tractor's side frame with the reinforcement. Remove the weights and weight support bracket from the front of the tractor. There are two rows of bolts on the front part of the tractor's side frame. Remove the front two bolts on the top row of bolts and the first and fourth bolt from the bottom row of bolts. After these bolts have been removed from both sides of the tractor mount the plates using the bolts supplied with the dozer mounting kit. Leave the bolts loose until the entire dozer has been mounted on the tractor, then tighten all bolts securely.



(FIG. 7)

**MODEL OC-92 – ADAPTING KIT – OLIVER 1900, 1950 GM TRACTORS
AND
MODEL OC-95 – ADAPTING KIT – OLIVER 1950 GM SHORT WHEEL BASE**

**INSTRUCTIONS FOR ATTACHING AMCO FARM
TRACTOR DOZER MOUNTING KIT NO. OC-92 AND
OC-95 OLIVER 1900 AND 1950 GM**

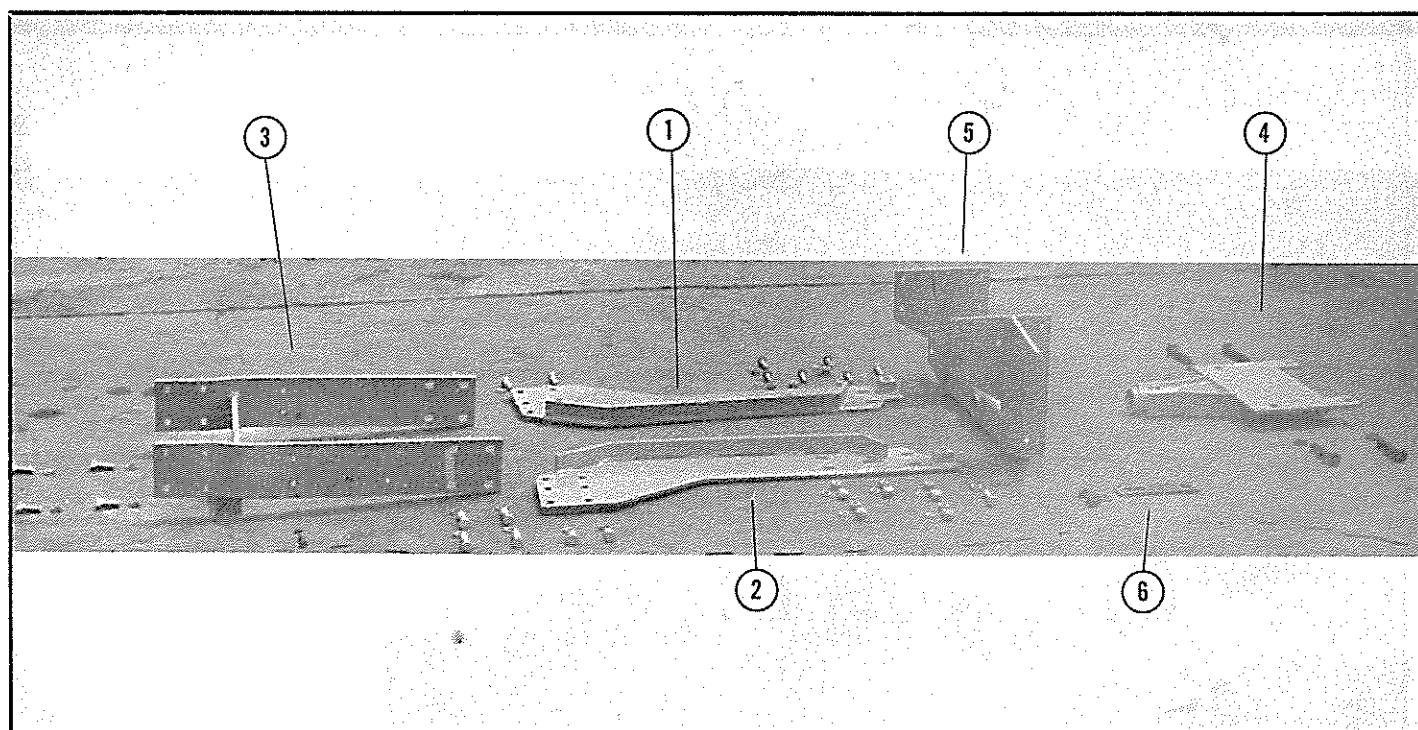
PARTS LIST

Ref. No.	Description	Model OC-92	No. Req.	Model OC-95
	Cap Screw $\frac{3}{4}$ x $2\frac{1}{2}$ NC HT	10678	16	10678
	Cap Screw $\frac{3}{4}$ x 3 NC HT	10727	4	10727
	Lock Washer $\frac{3}{4}$ (Plated)	10061	20	10061
1	Rear Mount Bracket	1955	1	09
2	Radiator Guard Mount	1953	1	1953
3	Push Cradle	1954	1	1954

I. Attaching Rear Mount Bracket: (Fig. 7, No. 1)
Remove the tractor's drawbar and drawbar mounting bracket. Replace the tractor's drawbar mounting bracket with the dozer rear mount bracket.

II. Attaching Radiator Guard Mount: (Fig. 7, No. 2)
Remove the weights from the front of the tractor. Mount the radiator guard mount to the tractor using four $\frac{3}{4}$ " x 3" machine bolts.

III. Attaching Push Cradle: (Fig. 7, No. 3)
Mount push cradle under belly of tractor. Align with the holes in tractor frame.



(FIG. 8)

MODEL MF-73 – ADAPTING KIT – MASSEY FERGUSON 1100 AND 1130 TRACTORS

PARTS LIST

Ref. No.	Description	Part No.	No. Req.
1	Front Mount Plate RH	1956	1
2	Front Mount Plate LH	1957	1
	Cap Screw $\frac{3}{4}$ x 3 NC (P & HT)	10727	10
	Cap Screw $\frac{3}{4}$ x 2 NC (P & HT)	10670	8
	Lock Washer $\frac{3}{4}$ (Plated)	10061	18
	Cap Screw $\frac{1}{2}$ x 2 $\frac{1}{4}$ NC (P & HT)	10704	2
	Lock Washer	10098	2
	Carriage Bolt 5/8 x 2 NC (P & HT)	10665	10
	Lock Washer 5/8 (Plated)	11002	10
	Hex Nut 5/8 NC (P & HT)	10668	10
3	Radiator Guard Mount	1791	1
4	Rear Mount Bracket	1958	1
	Cap Screw 1 x 5 NC (HT)	10672	4
	Lock Washer 1	11027	4
5	Push Cradle	1870	1
6	Tilt Bracket (Not Part Of Kit)	7441	1

INSTRUCTIONS FOR ATTACHING AMCO FARM TRACTOR DOZER MOUNTING KIT NO. MF-73 TO MASSEY-FERGUSON 1100 AND 1130

I. Attaching Rear Mount Bracket: (Fig. 8, No. 4)

The rear mount bracket is designed to mount under the center of the tractor's rear axle. The swinging drawbar cradle should be turned to the rear and attached to the lower lift arms. The rear mount

bracket is designed to mount with the flat side of the plate against the bottom of the tractor and the mounting bars toward the front of the tractor.

Remove the four 1" diameter bolts from the center of the drawbar mounting brackets. These brackets are located under the center of the tractor's rear axle. Lift the rear mount bracket and align the holes in the mount bracket with those on the tractor. Secure the bracket with the four 1" diameter bolts supplied with the dozer mounting kit. Tighten all four bolts hand tight, but do not tighten completely until after the entire dozer has been mounted on the tractor.

II. Attaching Front Mount Plates: (Fig. 8, No. 1 & 2)

The front mount plates mount on each side of the tractor's engine. Bolt the two front mount plates onto the tractor with the ribs turned toward the inside. Do not insert the upper forward four bolts until after the front mount cradle has been installed. Leave the bolts loose until the entire dozer has been mounted on the tractor, then tighten all bolts securely.

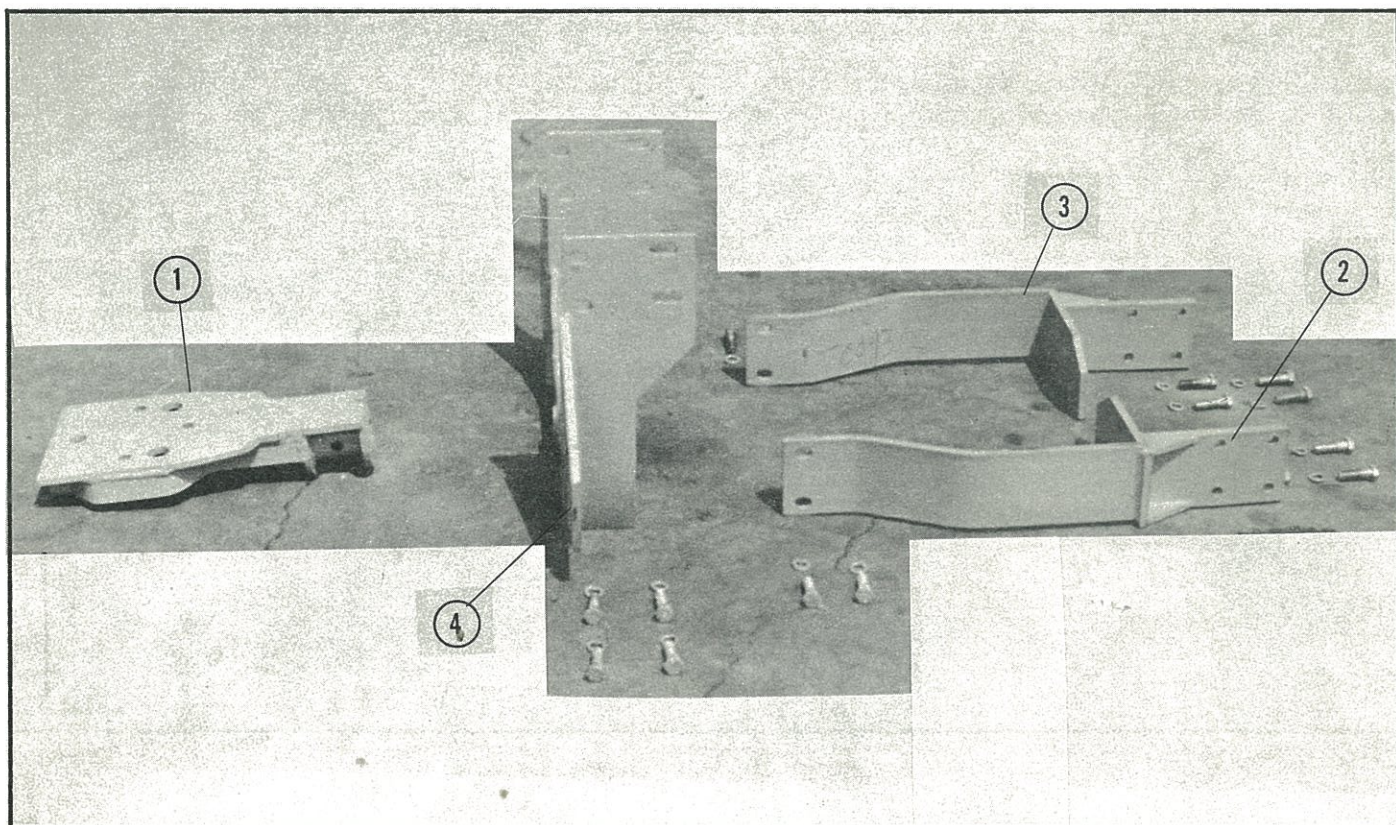
III. Attaching Radiator Guard Mount: (Fig. 8, No. 3)

Remove the weights and weight support bracket from the front of the tractor. Remove the 1/2" diameter bolts located on each side of the tractor near the lower front part of the tractor's hood.

Bolt the Radiator Guard Mount to the tractor using one 1/2" diameter bolt and four 3/4" diameter bolts on each side of the tractor and two 3/4" diameter on the front of the tractor.

IV. Attaching Push Cradle: (Fig. 8, No. 5)

Mount push cradle under belly of tractor in designated holes.



(FIG. 9)

MODEL OC-93 – ADAPTING KIT – OLIVER 1950-T TRACTORS

PARTS LIST

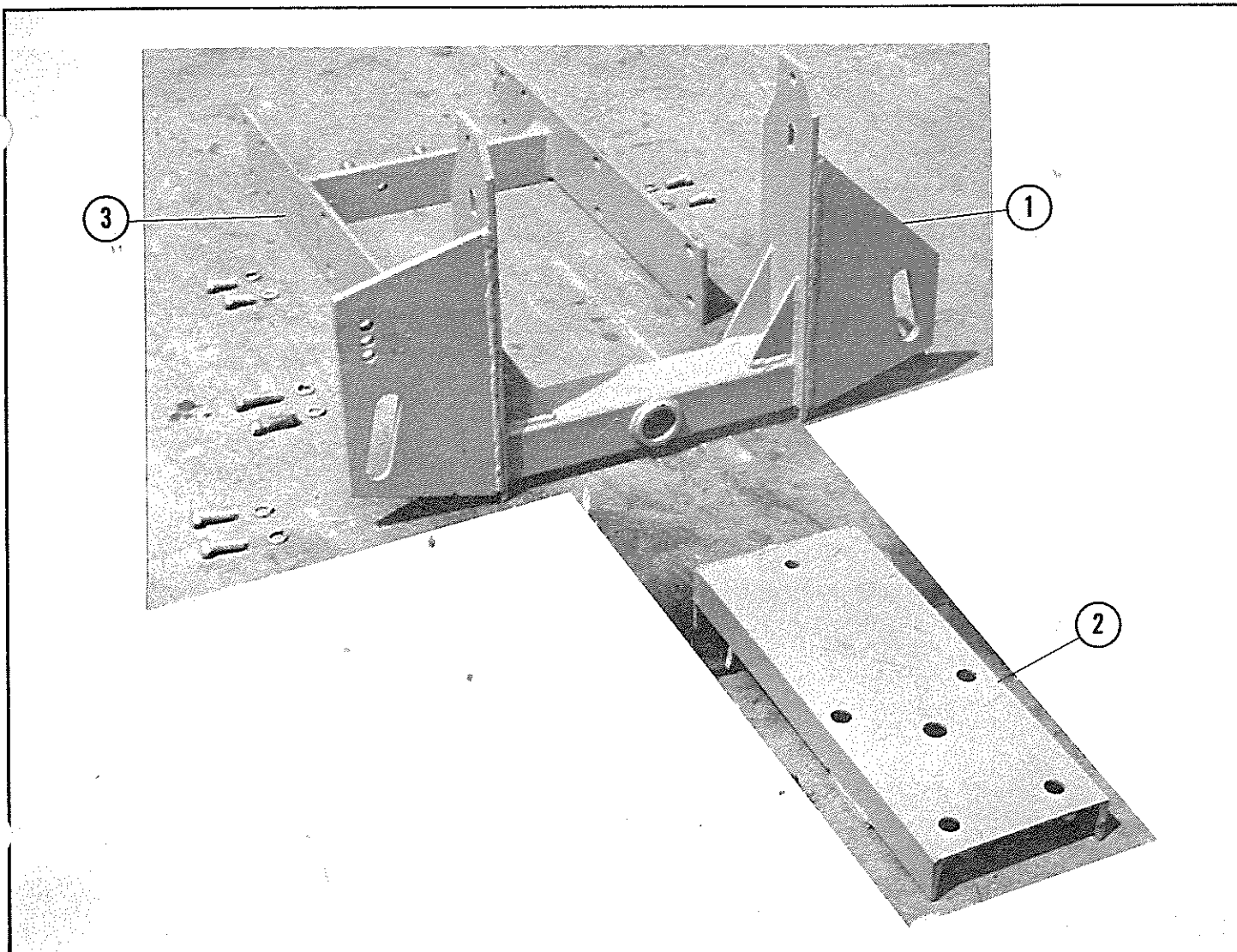
Ref. No.	Description	Part No.	No. Req.
	Cap Screw $\frac{3}{4}$ x $2\frac{1}{2}$ NC HT	10678	20
	Lock Washer $\frac{3}{4}$ (Plated)	10061	20
1	Rear Mount Bracket	1955	1
2	Radiator Guard Mount - RH	1967	1
3	Radiator Guard Mount - LH	1968	1
4	Push Cradle	1978	1

INSTRUCTIONS FOR ATTACHING AMCO FARM TRACTOR DOZER MOUNTING KIT NO. OC-93 TO OLIVER 1950-T

I. **Attaching Rear Mount Bracket:** (Fig. 9, No. 1)
Remove the tractor's drawbar and drawbar mounting bracket. Replace the tractor's drawbar mounting bracket with the dozer rear mount bracket.

II. **Attaching Radiator Guard Mount:**
(Fig. 9, No. 2 & 3)
Remove the weights from the front of the tractor. Mount the radiator guard mount to the tractor using eight $\frac{3}{4}$ " x $2\frac{1}{2}$ " machine bolts.

III. **Attaching Push Cradle:** (Fig. 9, No. 4)
Mount push cradle under belly of tractor motor, align with holes on tractor frame.



(FIG. 10)

MODEL HF-61 – ADAPTING KIT – FORD 8000 TRACTORS

INSTRUCTIONS FOR ATTACHING AMCO FARM TRACTOR DOZER MOUNTING KIT NO. HF-61 TO FORD 8000 TRACTORS

PARTS LIST

Ref. No.	Description	Part No.	No. Req.
1	Push Cradle	1993	1
	Cap Screw $\frac{3}{4}$ x $2\frac{1}{2}$ NC HT	10678	2
	Cap Screw $\frac{3}{4}$ x $1\frac{1}{2}$ NC HT	10679	4
	Lock Washer $\frac{3}{4}$ (Plated)	10061	14
2	Rear Mount Bracket	1994	1
3	Radiator Guard Mount	1992	1

I. Attaching Push Cradle: (Fig. 10, No. 1)

The foot steps must be removed from tractor. Place push cradle under tractor and fasten in designated holes.

II. Attaching Rear Mount Bracket: (Fig. 10, No. 2)

Remove the tractor's drawbar and drawbar mounting bracket. Replace the tractor's drawbar mounting bracket with the dozer rear mount bracket. Attach the tractor's drawbar to the dozer rear mount bracket. Replace retainer pin and retainer cap to the drawbar.

III. Attaching Radiator Guard Mount: (Fig. 10, No. 3)

Remove the weights from the front of the tractor. Mount the radiator guard mount to the tractor using two $\frac{3}{4}$ " x $2\frac{1}{2}$ " and four $\frac{3}{4}$ " x $1\frac{1}{2}$ " machine bolts.



**Operating and
Assembly Instructions
AMCO Dozer Blade**

MODEL NO. 905 – Straight, Tilt and Angle

EFFECTIVE DATE

FEBRUARY 15, 1968

Alexander Manufacturing Company

***Manufacturers of Quality-Built Farm and
Industrial Equipment***