

810AM Series Integral Moldboard Plows



OPERATORS MANUAL 810AM Series Integral Moldboard Plows

OMA94759 (01JUL59) English

OMA94759 (01JUL59)

LITHO IN U.S.A.
ENGLISH



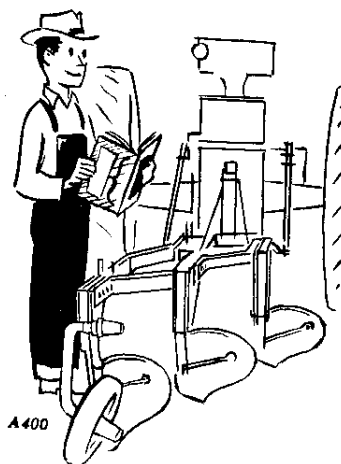
YOUR NEW PLOW

Behind your new plow is an organization that has specialized in designing and building plows for over one hundred and twenty years. This plow was built in the world's largest plow factory by experienced men, many who have worked in this large plant for from ten to forty-five years, thus assuring the utmost in good design, high-grade workmanship and thorough inspection, so essential to the production of good plows.

High quality materials, precision production methods, and accurately controlled heat-treating assure maximum strength and long life for every part.

This manual has been carefully prepared and illustrated, so that you may make the necessary adjustments for adapting your plow to work properly in practically all types of soil and field conditions. These adjustments such as proper hitching and adjusting for width and depth of cut, are fully covered in this manual.

Study this manual carefully. Keep it handy, in a safe place, for future reference.



Occasionally your plow may need new parts, or require service not covered in this manual. If so, we suggest that you take advantage of the facilities offered by your John Deere dealer, which assure you of genuine JOHN DEERE Parts and prompt "know-how" service in the field or shop.

If you will furnish your dealer with the information which should be recorded at the bottom of this page, when the plow is delivered, he can give you prompt and efficient service.

JOHN DEERE 810A SERIES INTEGRAL MOLDBOARD PLOWS

- For Tractors with Universal 3-Point Hitch
- For Crawler Tractors
- For Tractors with an 800 Series 3-Point Hitch

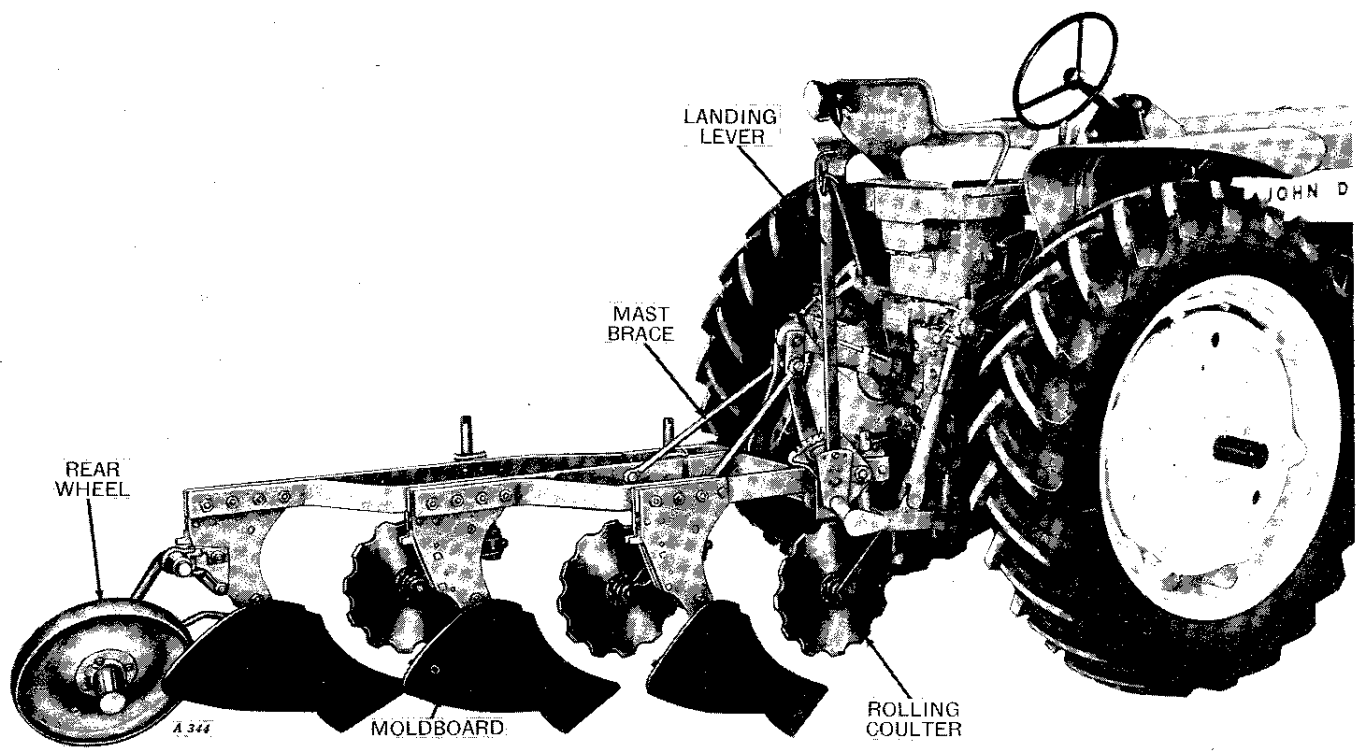
No. of Bottoms.....

Date Purchased..... 19.....

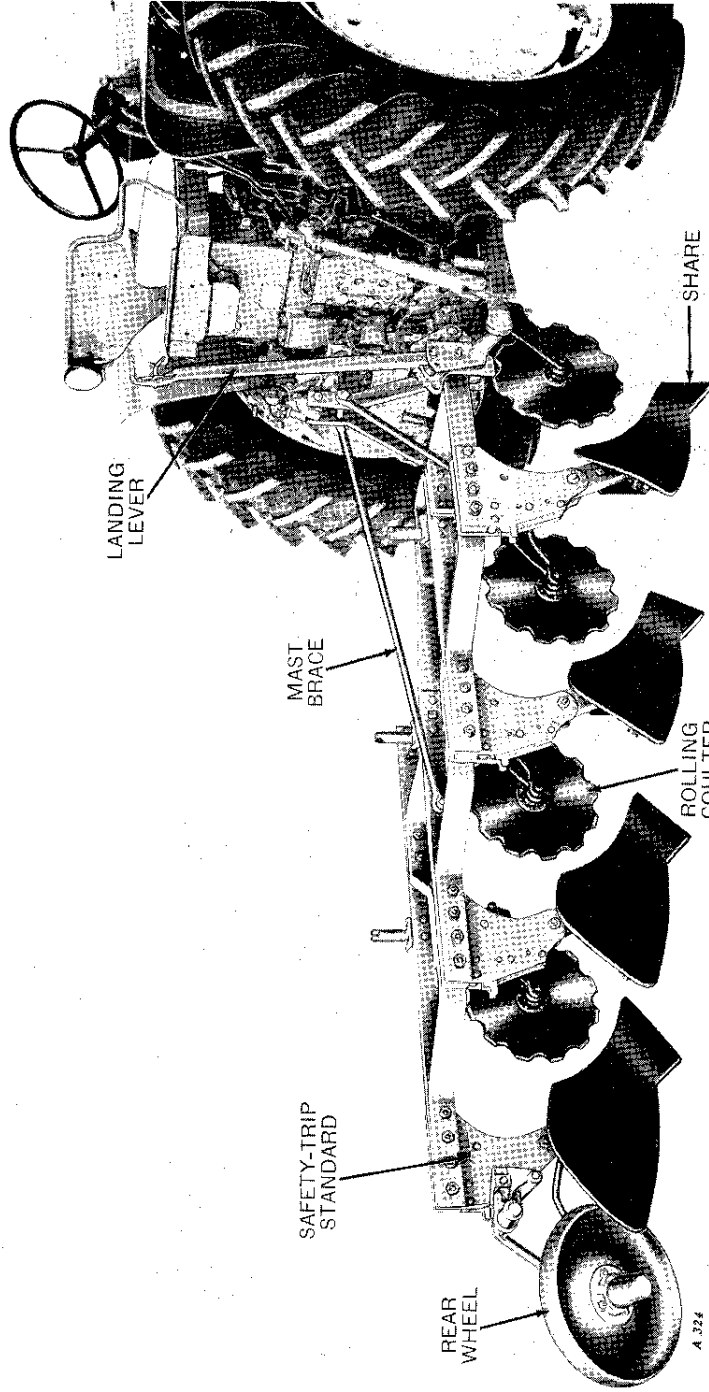
(To be filled in by Purchaser)

CONTENTS

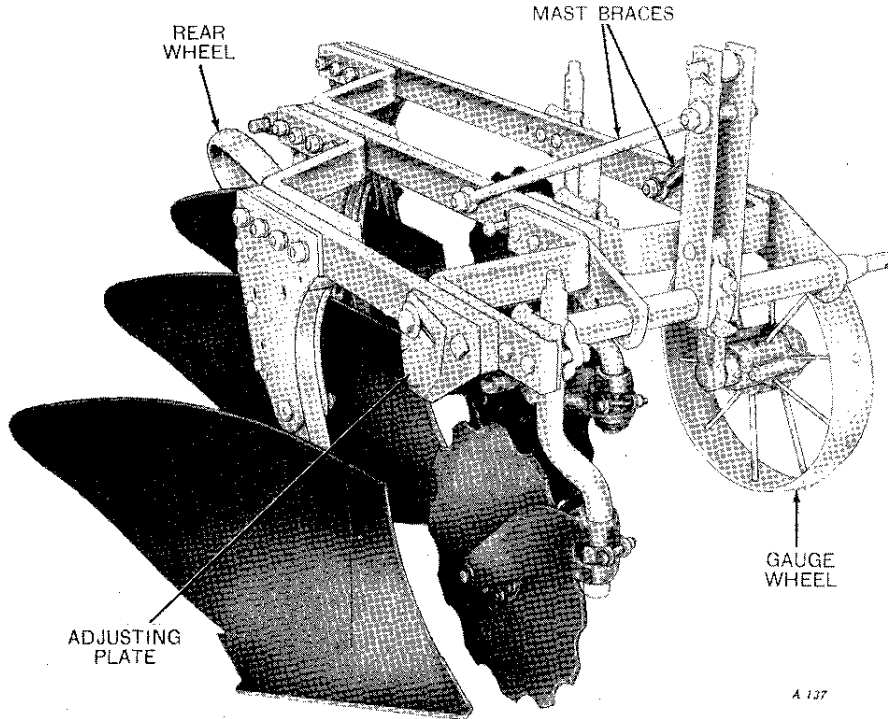
	<i>Page</i>
IDENTIFICATION VIEWS	2-4
SPECIFICATIONS	5-6
OPERATING AND ADJUSTING	7-36
Importance of Proper Adjustment	7
Preparing the Plow	7
Preparing and Adjusting Tractors	8-14
General (For Wheel-Type Tractors)	8
Tractors with Universal 3-Point Hitch	9-11
Tractors with an 800 Series Hitch	12-13
Crawler Tractors with 3-Point Hitch	14
Attaching Plow to Tractor	15-16
Tractors with Universal 3-Point Hitch and Crawler Tractors	15
Tractors with an 800 Series Hitch	16
Detaching Plow from Tractor	16
Raising and Lowering	17
Leveling	17
Width of Cut	18-19
Plows used with Wheel-Type Tractors	18
Plows used with Crawler Tractors	19
Depth of Plowing	20
Rear Wheel	20
Safety-Trip Standards	21-22
Rolling Coulters	23-25
Weed Hooks	25
Moldboard Pads	25
Jointers	26
Root Cutter	27
Transporting	27
Safety Suggestions	27
Procedure for Field Adjusting Plow	28-30
Converting an 810A Two-Bottom to a Three-Bottom Plow	31-32
Converting an 810A Three-Bottom to a Four-Bottom Plow	33-34
MAINTENANCE SUGGESTIONS	35-37
LUBRICATING INSTRUCTIONS	38
PLOWING DIFFICULTIES AND REMEDIES	39-42
SETTING-UP INSTRUCTIONS	43-54
SHIPPING BUNDLES	43-44



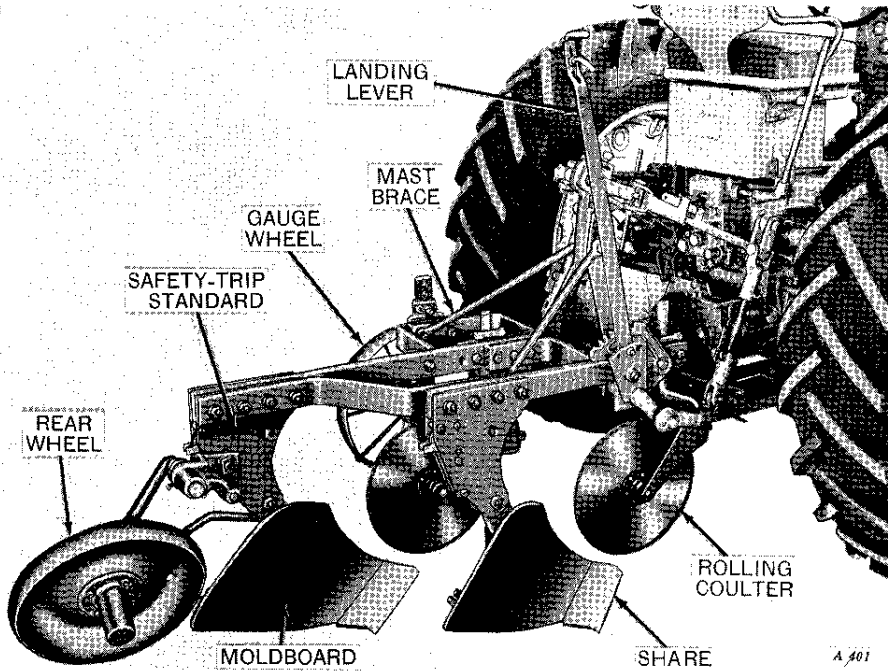
*John Deere 810A Three-Bottom Integral Moldboard Plow
with Notched Coulters (Special Equipment)*



*John Deere 810A Four-Bottom Integral Moldboard Plow
with Notched Coulters (Special Equipment)*



**John Deere 810A Three-Bottom Plow for Crawler Tractors
(Notched Coulters Special Equipment)**



**John Deere 810A Two-Bottom Integral Moldboard Plow on a Tractor
Equipped with an 801 3-Point Hitch**

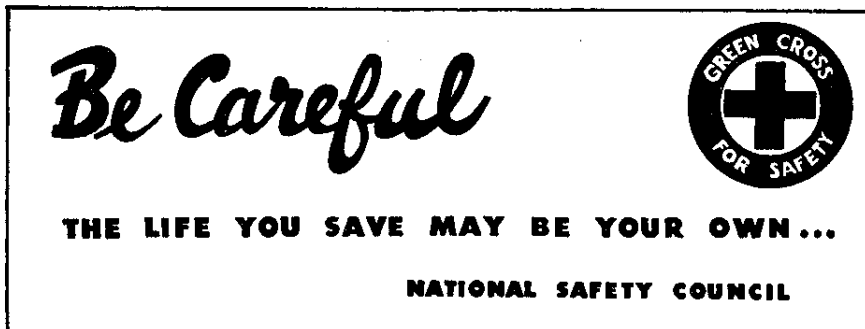
SPECIFICATIONS

- TYPES**..... The 810A Series Integral Tractor Plows are furnished in the following sizes:
- Two-Bottom**—12-, 14-, or 16-Inch Plows for John Deere “530,” “630,” “730,” “520,” “620,” and “720” Series Tractors.
- Three-Bottom**—12-, 14-, or 16-Inch Plows for John Deere “530,” “630,” “730,” “520,” “620,” and “720” Series Tractors.
- Three-Bottom**—14-Inch Plow for John Deere “440,” “430,” and “420” Series Crawler Tractors equipped with a 3-point hitch.
- Four-Bottom**—12-, 14-, or 16-Inch Plows for John Deere “630,” “730,” “620,” and “720” Series Tractors.
- NOTE: The Two- and Three-Bottom Plows, except for the Crawler Tractor, may be adapted for use with a John Deere “50,” “60,” or “70” Series Tractor equipped with an 800 Series Hitch.*
- DEPTH RANGE**..... 2 to 12 inches depending on type and size of bottoms.
- LEVELING**..... Lateral (side-to-side) leveling controlled by leveling crank on the tractor 3-point hitch. Fore-and-aft leveling controlled by upper link on tractor hitch.
- BOTTOMS**..... Various types available as ordered.
- LANDSIDES**..... Bottoms with short landsides (No. 4 for conventional-type bottoms and No. 9 for high-speed bottoms).
- LANDING LEVER**.. Regular equipment for all 810A Plows except 810A Plows used on Crawler Tractor which has a hitch adjusting plate.
- REAR WHEEL**..... Regular with 19 x 3-1/2-inch steel disk wheel. Special with wheel for 4:00 x 12-inch tire and tube, with or without tire and tube.
- MAST BRACKET**... Special equipment for plows used with John Deere “50,” “60,” or “70” Series Tractors equipped with an 800 Series Hitch.
- GAUGE WHEEL**... **Steel**, regular equipment for plows used with Crawler Tractors, special equipment for plows used with tractors equipped with a Universal or 800 Series Hitch.
- Rubber-Tired**, special equipment for plows used with tractors equipped with a Universal or 800 Series Hitch and for plows used with Crawler Tractors.

- COULTERS 17-inch plain, regular equipment.
17-inch notched, special equipment.
15-inch plain, special equipment.
- JOINTERS Combination, cast or steel, special equipment. In-
dependent, cast or steel, special equipment.
- ROOT CUTTERS Available as special equipment.
- WEED HOOKS Available as special equipment.
- MOLDBOARD PADS. Available as special equipment for high-speed bot-
toms only.

(Specifications and design subject to change without notice.)

*NOTE: When ^{the} terms "right" or "left" are used, it means from a position behind
the plow and facing the front.*



OPERATION

IMPORTANCE OF PROPER ADJUSTMENT

Your new plow is fully adjustable and, when properly adjusted to operate in the type of soil and field conditions on your farm, it will do a good job of plowing at a minimum of expense. A well-adjusted plow pulls lighter; its furrow slices are

uniform in width and depth; it covers trash; it leaves the soil in proper condition to be worked down into the best-type seedbed.

Improper adjustment results in rapid wear and possible breakage of parts, and inefficient operation.

PREPARING THE PLOW

PLOW BOTTOMS

The polished surfaces of the plow bottoms have been painted with protective black paint.

In most cases it is not necessary to remove the black paint because it will wear off quickly upon contact with the soil. In those soils where the black paint will not wear off, remove with gasoline, kerosene, or diesel fuel.



Be careful when using any of these fuels so they do not ignite. Plow should be in a well-ventilated area and away from any sparks or flames.

If the plow is not to be used immediately, protect the polished surfaces by applying a coat of cup or gun grease. If plow is to be put in storage for a considerable length of time, see pages 35 and 36.

TIRE INFLATION

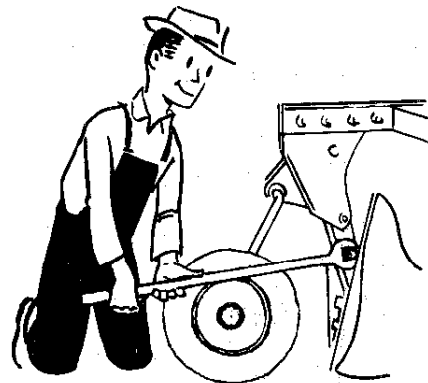
If plow is equipped with rubber-tired rear wheel or gauge wheel, check to be sure it has 36 pounds air pressure.

LUBRICATION

Be sure plow has been properly lubricated. See Lubrication Chart on page 38.

BOLTS AND SET SCREWS

Before starting to work with a new plow or one which has been stored, check to see that all bolts and set screws are tight and all cotter pins spread to keep them from falling out. Check the bolts that hold the plow bottoms to see that they are drawn up very tight.



55817

A good practice is to check for loose bolts, screws, or parts when lubricating the plow. Loose bolts are easily lost or cause excessive wear on parts, resulting in possible serious damage to the plow.

PREPARING AND ADJUSTING THE TRACTOR

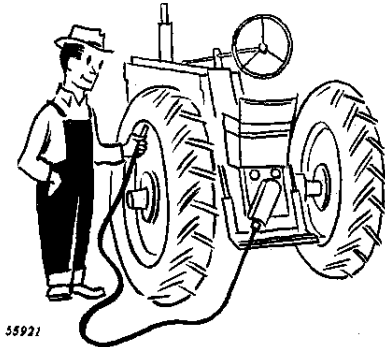
GENERAL (For Wheel-Type Tractors)

For complete tractor operating instructions, tire inflation pressures, and use of rear-mounted integral implements refer to your Tractor Operator's Manual.

Tire Inflation

Proper air pressure is the most important factor in satisfactory performance and maintenance of tractor and implement tires. Underinflation will damage the cord body of the tire and cause a series of radial breaks in the sidewall fabric. This often occurs on the inner sidewall of the furrow wheel tire. If the tire buckles or wrinkles, the air pressure should be increased to where the sidewalls remain smooth while operating.

If additional traction is required, add weight to the wheels. Reducing the recommended air pressure will make little difference in the traction and may ruin the tires.



Check air pressures every two or three weeks. Use special low pressure gauge in one-pound graduations.

REAR WHEEL WEIGHTING

In average conditions rear wheel weights are not necessary. In those conditions where it becomes necessary to add weight to the rear wheels, see your Tractor Operator's Manual for weighting instructions.

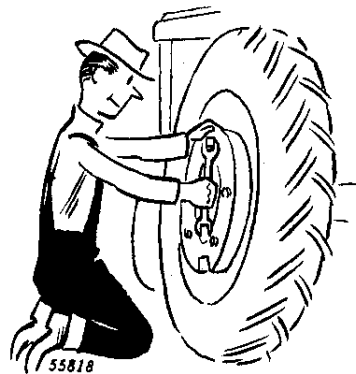
Power can be lost and tire life cut drastically by wheel slippage. Adding weight also serves to stabilize the tractor for plowing in rough or hillside fields.

Liquid Weight

Water and calcium chloride solution is an economical means of adding weight to rear wheels equipped with rubber tires. Calcium chloride is recommended rather than water as it will not freeze.

Cast-Iron Weights

Where weight in addition to or in place of liquid weight is required, cast-iron weights can be bolted to the rear wheels. This type of weight can be secured from your John Deere dealer.



Thank you so much for reading.
Please click the “Buy Now!”
button below to download the
complete manual.



After you pay.

You can download the most
perfect and complete manual in
the world immediately.

Our support email:

ebooklibonline@outlook.com