

John Deere F180 High-Clearance Integral Moldboard Plow



OPERATORS MANUAL John Deere F180 High-Clearance Integral Moldboard Plow

OMA97560 E0 English

OMA97560 E0

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.

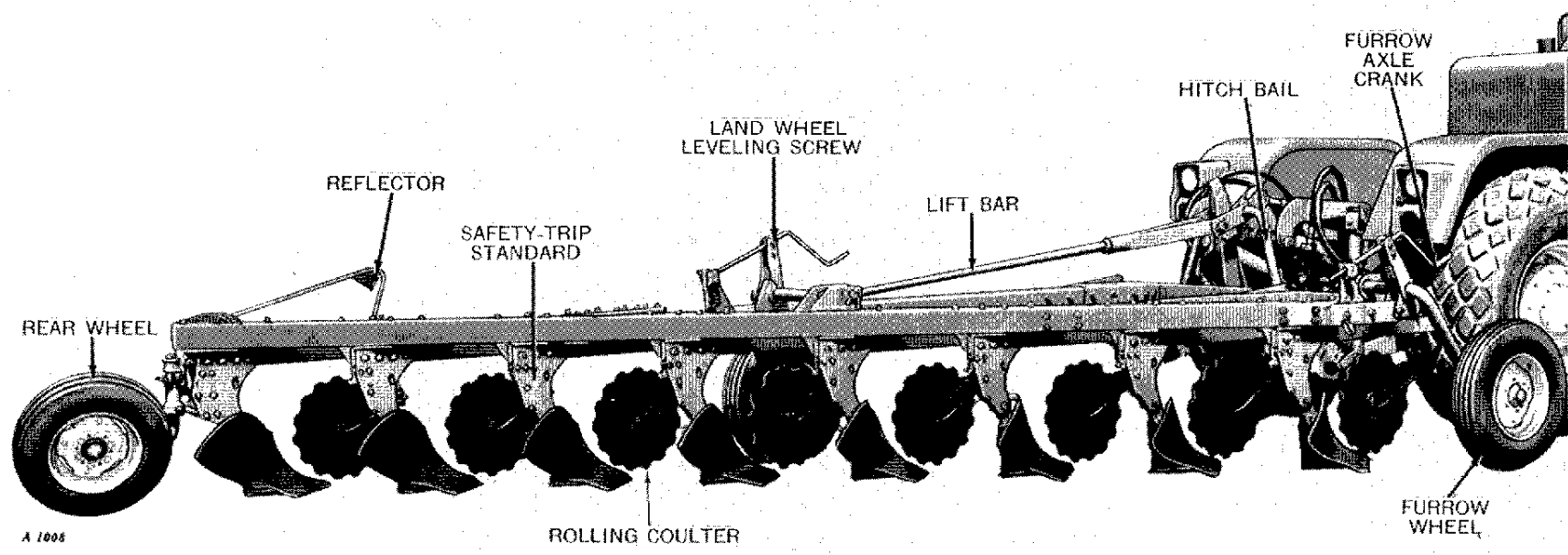
JOHN DEERE F180 HIGH-CLEARANCE INTEGRAL MOLDBOARD PLOW

Date Purchased 19

(To be filled in by Purchaser)

Contents

IDENTIFICATION VIEWS	page 2
SPECIFICATIONS	3
OPERATION	4
Importance of Proper Adjustment	4
Preparing the Plow	4
Preparing and Adjusting Tractor	5
Attaching and Detaching Plow	6-7
Width of Cut on Front Bottom	7
Leveling	7
Raising and Lowering	7
Depth of Plowing	8
Rear Wheel Adjustment	9
Safety-Trip Standards	10-11
Rolling Coulters	12-13
Trash Board	14
Weed Hook	14
Jointers	15
Root Cutter	16
Moldboard Pad	16
Transporting	17
Safety Suggestions	17
MAINTENANCE	18-20
LUBRICATION	21
PLOWING DIFFICULTIES AND REMEDIES	22-24
ASSEMBLY INSTRUCTIONS	25-40
SHIPPING BUNDLES	25



A 1006

John Deere F180 eight-bottom high-clearance integral moldboard plow with notched rolling coulters (Special equipment)

Specifications

TYPE	F180 High-Clearance Integral Eight-Bottom Mold-board Plow with 16-inch Frame for use with John Deere "8010" Tractor.
DEPTH RANGE	4 to 14 inches depending on type and size of bottoms and ground conditions.
TOTAL WIDTH OF CUT	10 feet 8 inches
LEVELING	Leveling screw cranks on land and furrow axles.
BOTTOMS	Various types available as ordered.
STANDARDS	Safety-trip.
LANDSIDES	Bottoms with short landsides. No. 4 for conventional-type bottoms. No. 9 for high-speed bottoms.
WHEELS	
Rear	Wheel less tire and tube, regular; with 6.70 x 15 ribbed tire and tube, special. Six-bolt anti-friction bearing hub.
Land and Furrow	Wheel less tire and tube, regular; with 7.60 x 15 ribbed tire and tube, special. Six-bolt anti-friction bearing hub.
COULTERS	17-inch plain with flat shank, regular. 17-inch notched with flat shank, special. 17-inch plain or notched with round shank, special. 18-inch plain with round or flat shank, special. 20-1/2-inch notched with round shank, special.
JOINTERS	Combination cast or steel (for round shank coulters), special.
TRASH BOARDS	Available as special equipment for high-speed bottoms only.
ROOT CUTTERS	Available as special equipment.
WEED HOOKS	Available as special equipment.
MOLDBOARD PADS	Available as special equipment for high-speed bottoms only.
MOLDBOARD EXTENSIONS	Available as special equipment.

(Specifications and design subject to change without notice.)

NOTE: When 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. The 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 page 18.

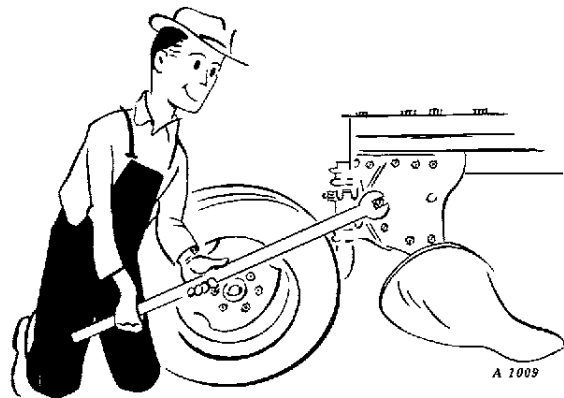
Tire inflation

Check plow tires to be sure they are inflated properly as shown below:

Wheel	New implement or new or used auto tires	Inflation pressure
Land and Furrow	7.60-15 -- 4-Ply	24 Lbs.
Rear	6.70-15 -- 4-Ply	26 Lbs.

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.



Lubrication

Be sure plow has been properly lubricated. See Lubrication Chart on page 21.

Preparing the tractor

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

Sway blocks

If tractor is equipped with sway blocks, remove them from the hitch. The sway bracket on the hitch will eliminate side sway when plow is raised for transporting. See your tractor operator's manual for instructions on removing sway blocks.

Adjusting the hitch

Link lengths

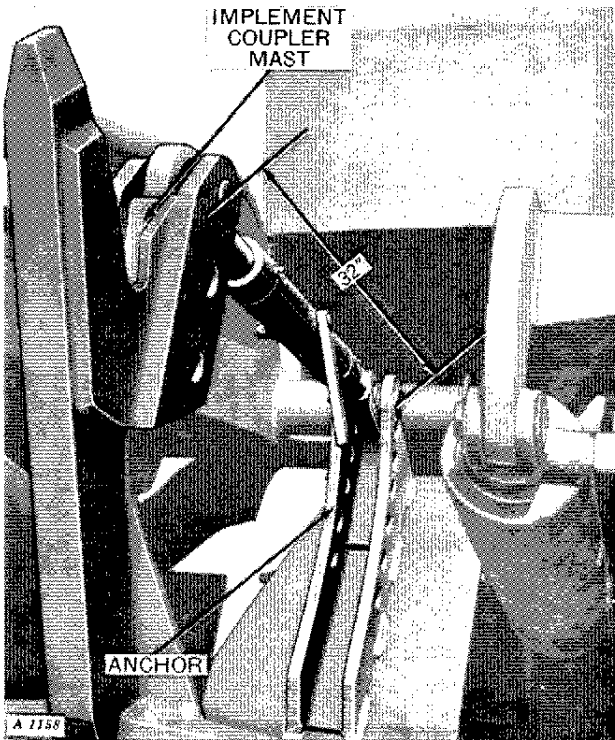
Before attaching plow to tractor, adjust the center link and right- and left-hand lift links to the following recommended settings.

Adjust the center link so it measures 32 inches from center of pin to center of pin as shown below.

Adjust both lift links so they measure 26 inches from center of pin to center of pin as shown in illustration at right.

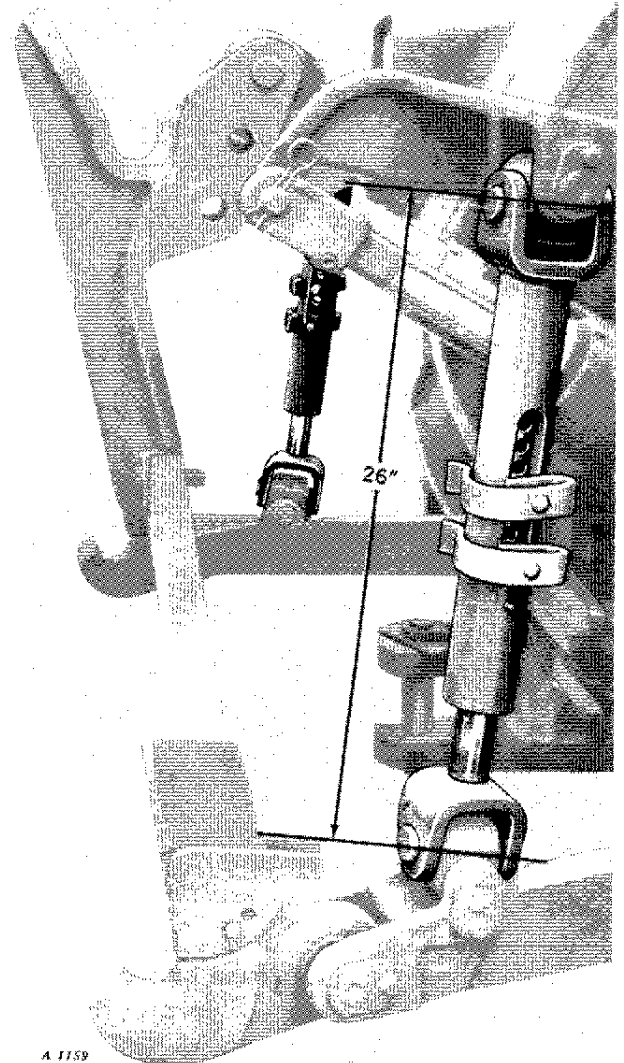
Center link attaching points

Place center link in top hole of the front anchor and in the top hole of the implement coupler mast.



Center link

Lateral float adjustment



Lift link

Both lift links have adjusting holes to control the lateral float of the plow. Set the two spring locking pins in the fourth and seventh holes from the bottom as shown in the above illustration.

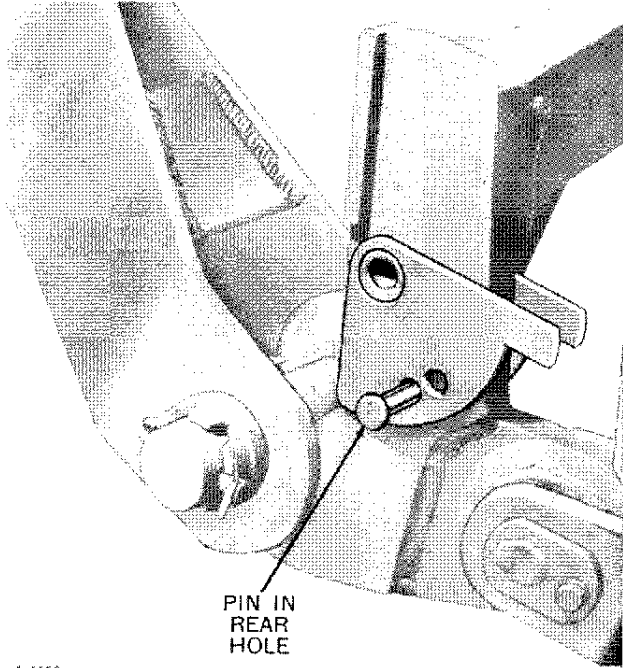
This will give the plow the proper amount of lateral float, allowing it to follow the contour of the land.

It is important that both lift links are set the same.

Attaching and detaching plow

Attaching

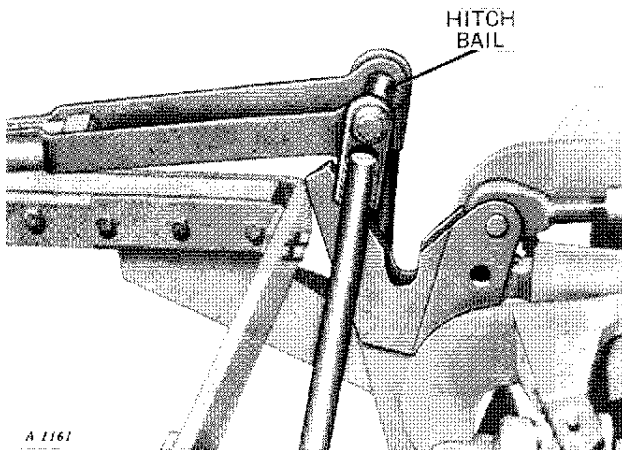
Back the tractor until tractor is 8 to 10 inches from attaching points of plow and implement coupler hooks are approximately in line with the hitch pins of the plow. Set parking brake to prevent tractor from rolling.



A 1160

Latch in attaching position

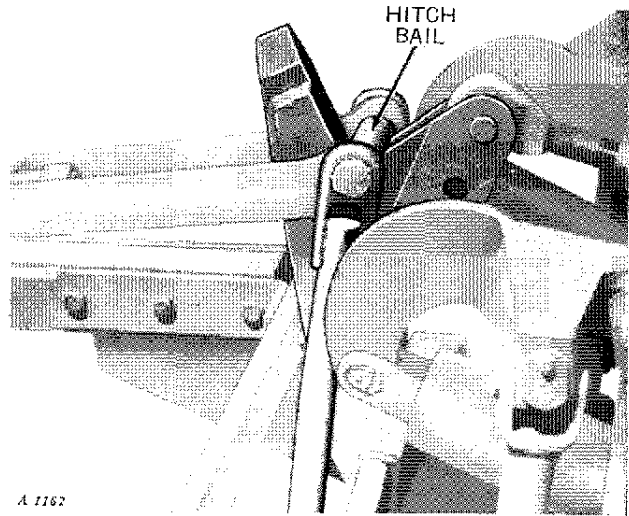
Place drilled pin in rear hole as shown above on both the right- and left-hand latches.



A 1161

Attaching tractor to plow

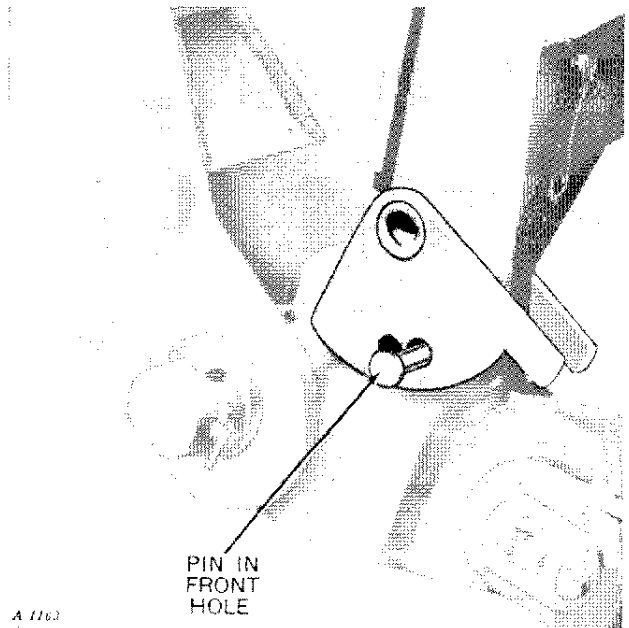
Lower hitch by pushing inner hydraulic lever on the tractor forward until implement coupler hooks are below implement hitch pins and coupler mast is below hitch bail. Back tractor until coupler mast is directly under hitch bail.



A 1162

Lifting plow to transport position

Pull back on inner hydraulic lever and raise plow off the ground. This will position the plow firmly to the tractor at all three hitch points.



A 1163

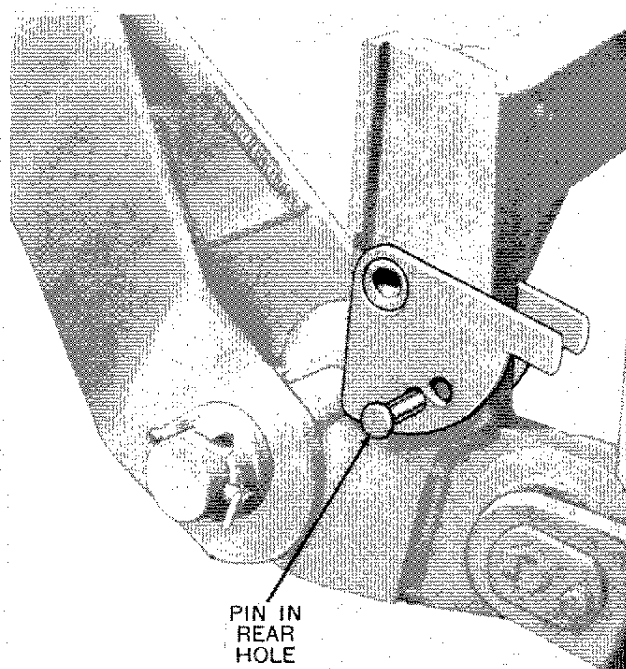
Latch in operating position

With the plow in raised position, transfer drilled pins from the rear holes to the front holes in the latches. Insert spring locking pins through drilled pins in both latches.



Always lower the plow to the ground when not in use.

Detaching



Latch in detaching position

To detach plow from tractor, raise plow into transport position and remove drilled pin from front hole in implement coupler latches and pivot the latches forward. Then insert pins in rear holes as shown above. Lower the land wheel with land wheel crank so plow will stand alone when detached from tractor. Lower the hitch until the hitch ball is free of the tractor. Drive tractor away from plow.

CAUTION: If plow does not stand steady alone when disconnected from the tractor, use a block or stand to support it.

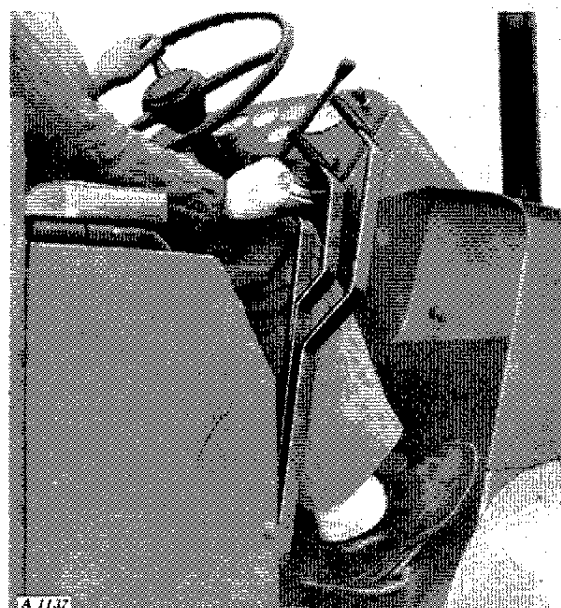
Width of cut on front bottom

The width of cut on the front bottom is maintained by the operation of the tractor.

With the plow running straight behind the tractor, line up the tractor with the furrow, approximately 28 inches in from furrow wall to center of tire.

Safety is more than a slogan.
It is an attitude of mind
and a way of life.

Raising and lowering

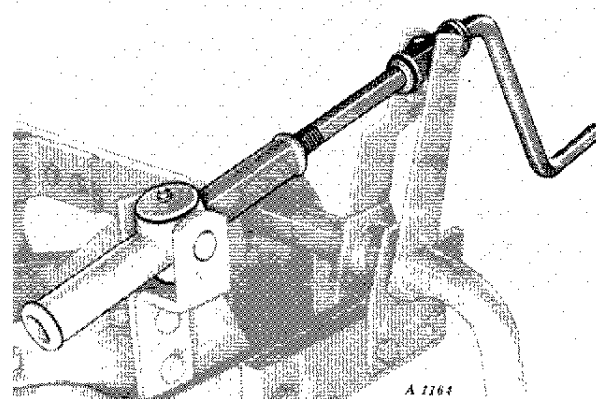


Hydraulic Operating Levers

The inner hydraulic lever, as shown above, controls the 3-point hitch which raises and lowers the plow. To lower the plow, push lever forward; to raise the plow, pull lever back.

For complete operating instructions, see your tractor operator's manual.

Leveling



Furrow axle crank

A screw crank on the furrow axle is used for leveling the plow bottoms when in working position. The screw crank regulates the depth of the front bottom in relation to the rear.

The plow is leveled laterally when both spring locking pins are in the same holes in both lift links as shown on page 5.

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