

1100 INTEGRAL FIELD CULTIVATOR



OPERATORS MANUAL 1100 INTEGRAL FIELD CULTIVATOR

OMN159372 G8 English

OMN159372 G8

LITHO IN THE U.S.A.
ENGLISH





To the Purchaser

This new field cultivator was carefully designed and manufactured to give years of dependable service. To keep it running efficiently, read the instructions in this operator's manual. Each section is clearly identified so you can easily find the information you need—whether it be operation, lubrication, or assembly. Read the Table of Contents to learn where each section is located.

"Right-hand" and "left-hand" sides are determined by facing the direction the field cultivator will travel when in use.

Record your field cultivator serial number in the space provided on page 29. Your dealer needs this information to give you prompt, efficient service when you order parts or attachments.

If your field cultivator requires replacement parts, go to your John Deere dealer where you can obtain Genuine John Deere Parts. Accept no substitutes. Genuine John Deere Parts fit properly and insure satisfactory service because they are made from the original patterns and from the same materials used in new machines.

The warranty on this implement appears on your copy of the purchase order which you should have received from your dealer when you purchased the implement.



This safety alert symbol identifies important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows:

Your operator's manual contains SI Metric Equivalents which follow immediately after the U.S. customary units of measurement.





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Safety Suggestions

A The safety of the operator was one of the prime considerations in the minds of John Deere engineers when this cultivator was designed.

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

For tractor stability and operator safety, tractor front end weights may be required. See page 5.

Do not adjust the cultivator while it is in motion.

Never permit any person other than the operator on the tractor.

Never ride or permit others to ride on the cultivator.

Drive at speeds slow enough to insure your safety. Reduce speed before turning quickly or applying brakes. Drive slowly over hills and rough ground to avoid tractor tipping over.

Always keep tractor in gear when driving down steep grades with cultivator raised.

Choose a level place and remain stationary when raising and lowering the outriggers to maintain stability.

Stay clear of folding sections during raising and lowering.

When the cultivator is in a raised position for attaching transport straps, be sure rockshaft and remote cylinder operating levers are not touched by anyone.

When transporting the cultivator on a public road, follow safety instructions outlined under "Transporting" on page 11.

Prolonged exposure to loud noise can cause impairment or loss of hearing.

Hearing protective devices (such as ear muffs or plugs) can effectively protect against loud noises.

When you are exposed to noise which is objectionable or uncomfortable, it is recommended that you wear a suitable hearing protective device.

When transporting the cultivator on a road or highway at night or during the day, use accessory lights and devices for adequate warning to operators of other vehicles. In this regard, check local governmental regulations. Various safety lights and devices are available from your John Deere dealer.

Always support cultivator frame and rigs on stands or blocks before working under or around cultivator.

Escaping hydraulic fluid under pressure can have sufficient force to penetrate the skin, causing serious personal injury. Before disconnecting lines, be sure to relieve all pressure. Before applying pressure to the system, be sure all connections are tight and that lines, pipes, and hoses are not damaged. Fluid escaping from a very small hole can be almost invisible. Use a piece of cardboard or wood, rather than hands, to search for suspected leaks.

If injured by escaping fluid, see a doctor at once. Serious infection or reaction can develop if proper medical treatment is not administered immediately.

If spray can paint is used be careful when discarding empty can. Do not incinerate or puncture can.

Finally, remember this: An accident is usually caused by someone's carelessness, neglect, or oversight.

JOHN DEERE 1100 FIELD CULTIVATOR

PREDELIVERY CHECK LIST

Inspect the cultivator after it has been completely assembled to make sure it operates properly. The following list is a reminder of the points to inspect and procedures to follow before delivering the cultivator to the customer. Check off each item if found satisfactory or after proper adjustment is made.

- ☐ Spring teeth are correctly spaced for width to be cultivated.
- ☐ Shovels or sweeps are correctly assembled.
- ☐ Standard attaching U-bolts tightened to 85 ft-lbs (119 Nm) torque.
- ☐ Cultivator is properly lubricated.
- ☐ Safety reflectors and SMV emblem are installed.
- ☐ Restrictors are installed in remote cylinder ports on Fold-Up Field Cultivator.

I have performed the above predelivery service to the best of my ability.

Date _____

Signed _____

OWNER REGISTER

Name _____

Address _____

Post Office _____

State _____ Zip _____

Implement Serial No. _____

Implement Size _____

Date Purchased _____

DELIVERY CHECK LIST

At the time of delivery, important information should be conveyed directly to the customer. Check off each item below as it is fully explained to the customer.

- ☐ Advise the customer to lubricate the machine as directed in the operator's manual.
- ☐ Give the operator's manual to the customer and explain all operating adjustments to him.
- ☐ Tell the customer of safety precautions he must observe when using this machine. See page 2.
- ☐ Make sure the customer has the right size and type of hydraulic cylinder to use for his particular model cultivator. See page 29.
- ☐ If it becomes necessary to transport the cultivator on public roads or highways, advise customer to check with local and state agencies regarding the regulations for transporting oversize equipment and the use of accessory lights and devices for adequate warning to operators of other vehicles on such roads.
- ☐ To the best of my knowledge, this machine has been delivered ready for field use and the customer has been fully informed regarding proper care and operation.

Date _____

Signed _____

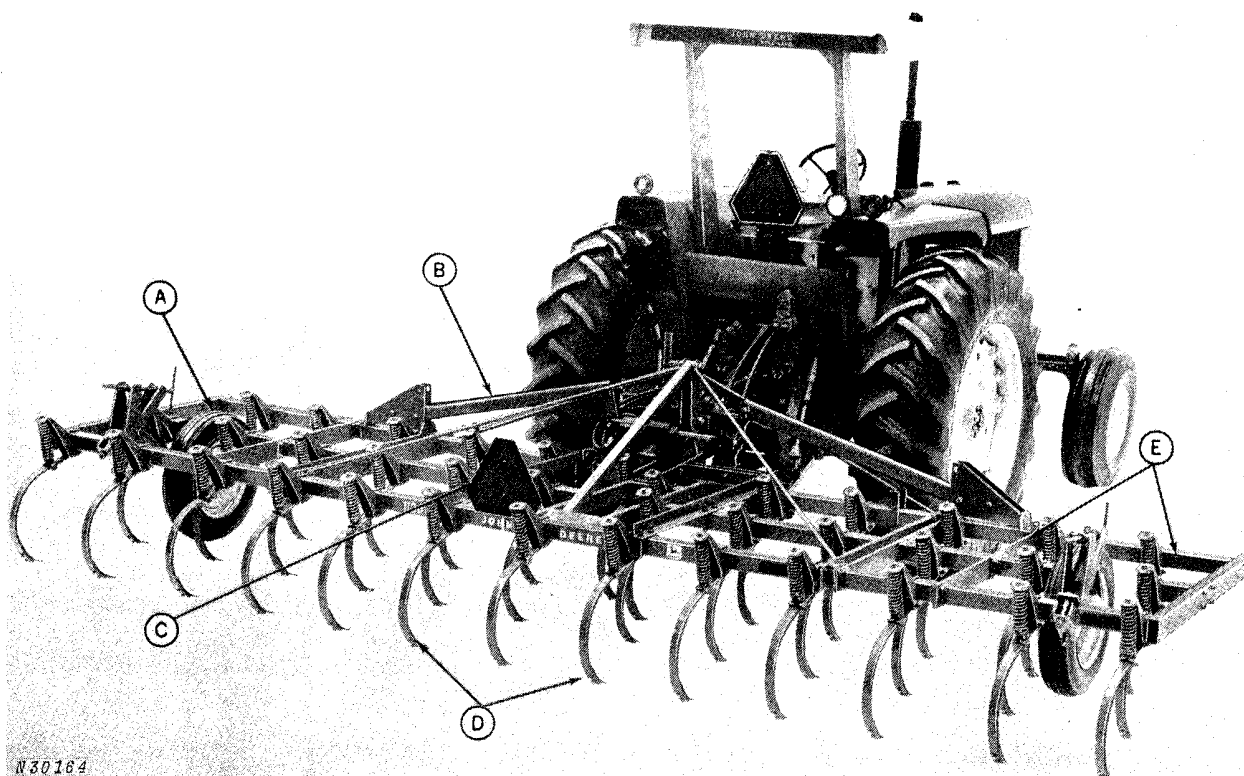
AFTER-SALE CHECK LIST

The following is a suggested list of items to be checked at a dealer-customer mutually agreeable time during the first operating season.

- ☐ Check with the customer as to the performance of the cultivator. Make certain he understands the proper operating adjustments for his crop (or soil condition).
- ☐ If possible, operate the cultivator to see that it is functioning properly.
- ☐ Acquaint the customer with any special attachment which will help him to do a better job.
- ☐ Go over entire cultivator for loose or missing bolts.
- ☐ Check for broken or damaged parts.
- ☐ Check with the customer to ascertain if the recommended periodic lubrication has been performed.
- ☐ Review the operator's manual with the customer and stress the importance of proper lubrication and safety precautions.

Signed _____

Date _____

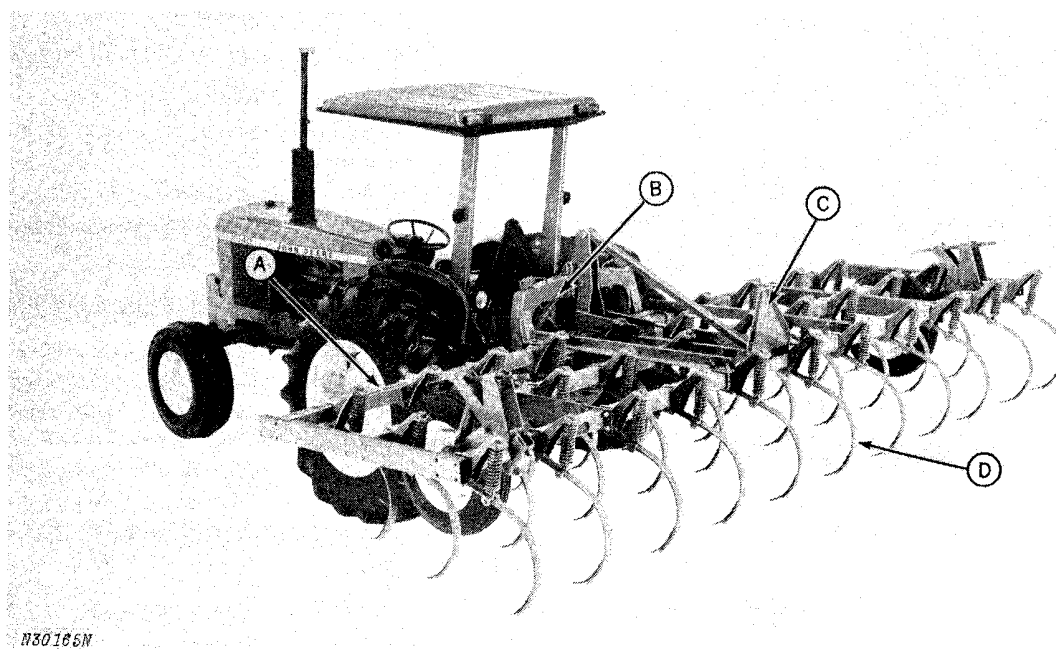


A—Gauge Wheel
B—Outrigger Lift Arm

C—SMV Emblem
D—Shovels, 1-3/4" (45 mm)

E—Extensions, 37" and
18" (940 mm and 457 mm)

John Deere 18-1/2-Foot (5.6 m) 1100 Field Cultivator on 4230 Tractor



A—Extension, 37" (940 mm)
B—Quik-Coupler

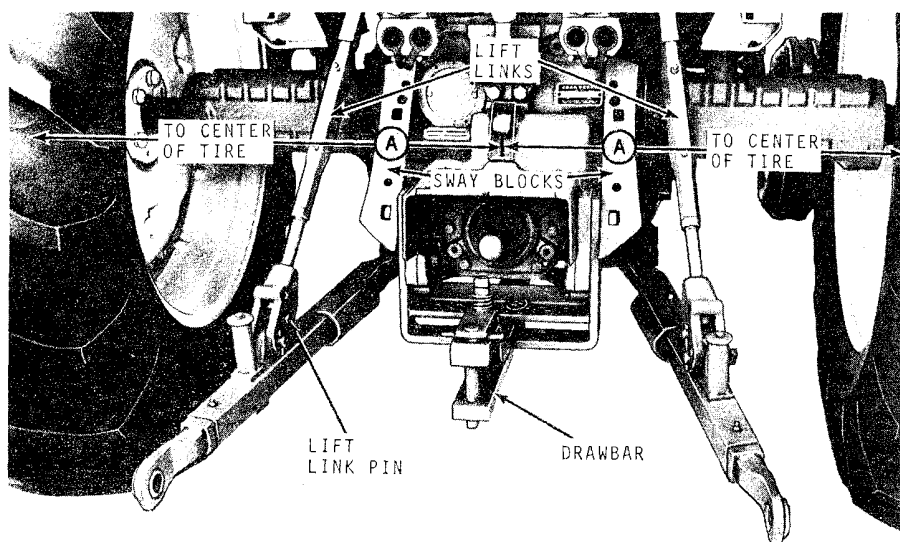
C—SMV Emblem
D—Spring-Trip Standards

John Deere 16-1/2-Foot (5.0 m) 1100 Field Cultivator on 2640 Tractor



Operation

PREPARING THE TRACTOR



N23800

Tractor with Category 2 Three-Point Hitch

See your tractor operator's manual for complete tractor operating and adjusting instructions.

WHEEL SPACING

Set the tractor wheels for the desired row spacing so the wheels are centered between the rows. The dimension "A" from the center of the tractor to the center of each tire should be the same.

See your tractor operator's manual for correct tire inflation pressures and instructions for wheel ballast where required.

SWAY BLOCKS

Place the sway blocks in the upper, wide setting (as illustrated) to prevent cultivator side sway during transport. See your tractor operator's manual.

DRAWBAR POSITION

Place the drawbar in the short, center position to provide maximum clearance between rear of drawbar and cultivator.

LIFT LINKS AND CENTER LINK

Adjust length of lift links and center link to mini-

mum length, to assure adequate clearance between tractor tires and cultivator components. See your tractor operator's manual.

LIFT LINK LATERAL FLOAT ADJUSTMENT

If frame gauge wheels are used, adjust lift link pins to allow lateral float.

If frame gauge wheels are not used, adjust lift link pins to prevent lateral float as illustrated above.

See your tractor operator's manual.

ROCKSHAFT SELECTOR LEVER

IMPORTANT: Do not use stabilizer wheels to determine the operating depth for heavy draft loads. Adjust stabilizer wheels for only light contact with the ground and position the lever midway between the "ZERO" (depth control) and "MAX" (maximum load control) positions. If the cultivator "chatters" or tends to pull out of the ground, move the lever closer to the "ZERO" setting.

NOTE: On earlier model tractors, place the lever in the "LD" (load and depth control) position.

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