

# OPERATOR'S MANUAL

## POLY PLOUGH

MODEL DH4105 AND DH4106

# GREENSYSTEM™

# OPERATOR'S MANUAL

## POLY PLOUGH



**John Deere SE Asia**

### **Introduction:**

READ THIS MANUAL carefully to learn how to operate and service your machine correctly. Failure to do so could result in personal injury or equipment damage.

THIS MANUAL SHOULD BE CONSIDERED a permanent part of your machine and should remain with the machine when you sell it.

MEASUREMENTS in this manual are given in both metric and customary U.S. unit equivalents. Use only correct replacement parts and fasteners. Metric and inch fasteners may require a specific metric or inch wrench.

RIGHT-HAND AND LEFT-HAND sides are determined by facing in the direction of forward travel.

WRITE PRODUCT IDENTIFICATION NUMBERS (P.I.N.) in the Specification or Identification Numbers Section.

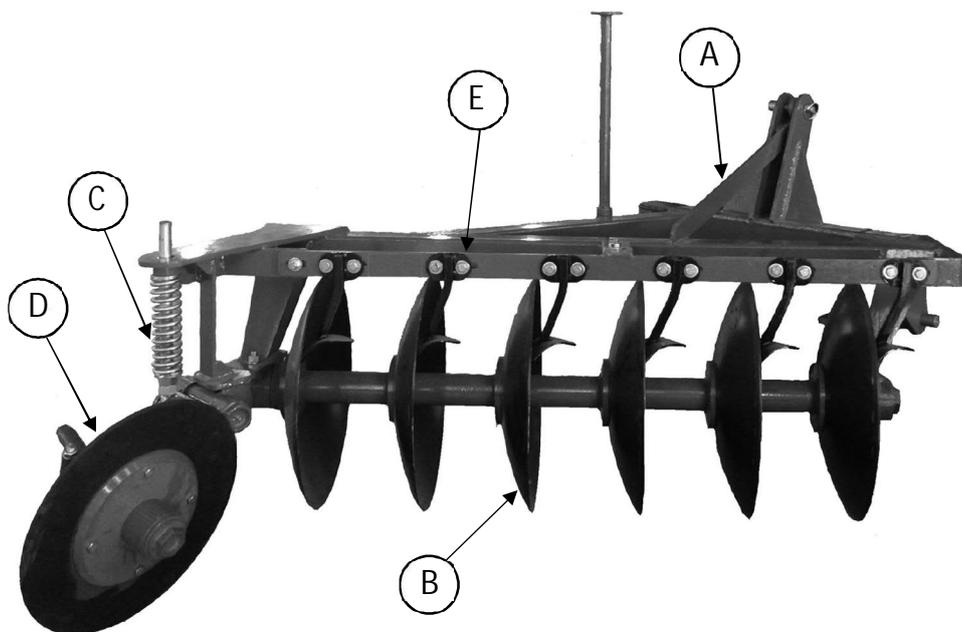
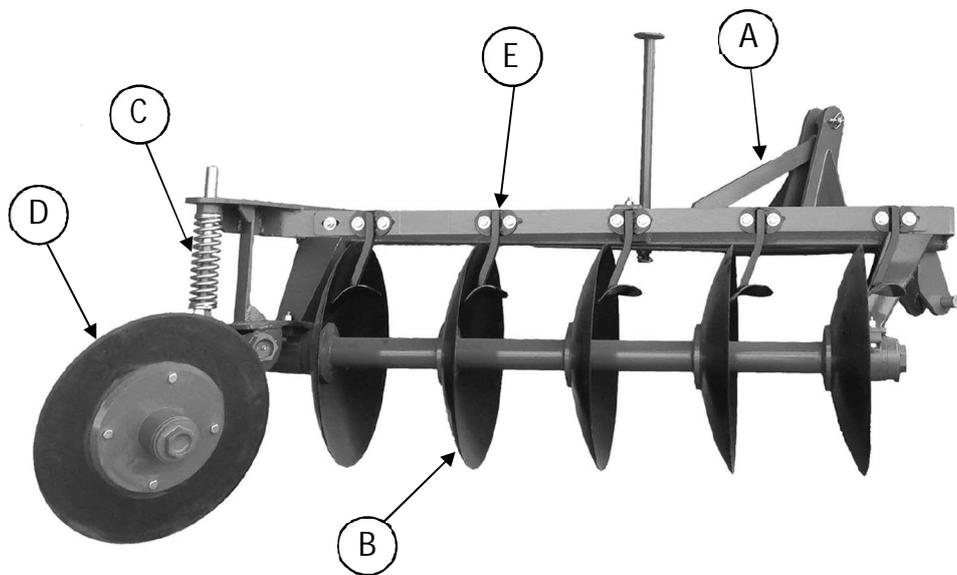
Accurately record all the numbers to help in tracing the machine should it be stolen. File the identification

numbers in a secure place; do not keep them on the machine.

WARRANTY is provided as part of John Deere's support program for customers who operate and maintain their equipment as described in this manual. The warranty is explained on the warranty certificate which you should have received from your dealer.

This warranty provides you the assurance that John Deere will back its products where defects appear within the warranty period. In some circumstances, John Deere also provides field improvements, often without charge to the customer, even if the product is out of warranty.

Should the equipment be abused, or modified to change its performance beyond the original factory specifications, the warranty will become void and field improvements may be denied.



A = Main Frame                      B = Disc Assy      C = Swing Tail Assy  
 D = Disc Furrow Assy              E = Scraper Frame Assy

### **A Message to Our Customers**

We appreciate the confidence placed in us by your purchase of this machine. Before this machine was brought to the market, countless hours were spent designing and testing to ensure that its performance would be at the highest level. To achieve maximum performance, it is imperative this machine be operated in accordance with the procedures outlined in this manual. Information in this manual is divided into sections. These sections are identified at the top of each page. Specific information within each section is organized into modules. These modules are encased in boxes

with principle modules identified with a heading at the top left side of the box. Two-part page numbers identify both the section and page of that section.

By reviewing this manual often, one will quickly learn which section to go to for specific information. For instance, machine adjustments would be found in the Operating Machine section, lubrication intervals in the Lubrication section, opener maintenance in the Service section, etc. A detailed Table of Contents is found immediately behind this page.

Thank you very much for purchasing this machine.

### **Customer Responsibility**

It is the Customer or Operator's responsibility to read the Operator's Manual, to operate, lubricate, maintain and store the product in accordance with all instructions and safety procedures. Failure of the operator to read the Operator's Manual is a misuse of this equipment.

It is the Customer's or Operator's responsibility to inspect the product and to have any parts repaired or replaced when continued operation would cause damage or excessive wear to other parts or cause safety hazards.

It is the Customer's responsibility to deliver the product to Authorized Dealer, from whom they purchased it, for service or replacement of defective parts which are covered by warranty. Repairs to be submitted for warranty consideration must be made within thirty days (30) of failure.

It is the Customer's responsibility for any cost incurred by the Dealer for travelling to or hauling of the product for the purpose of performing a warranty obligation or inspection.

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*Original Instructions. All information, illustrations and specifications in this manual are based on the latest information available at the time of publication. The right is reserved to make changes at any time without notice*

# Inspection Checklists

**Pre-Delivery Inspection:**

Assemble the Poly Plough. Make sure all the hardware tightened properly. See **“Assembly Instruction” in this section.**

After the Poly Plough has been completely adjusted and lubricated, check it and make sure it is ready for operation after delivery to the customer. The following list is a reminder of items that need to be inspected. Check whether each item has been found to be correct or after the appropriate adjustments have been made.

- The tightness of bolts and nuts.
- Greasing and Lubricating.
- Safety precautions.
- Any damage to product. If yes, repair it before delivering to customer.

**Assembly Date** \_\_\_\_\_

- Operate the Poly Plough and make sure all parts move freely, all hardware is correctly tightened.
- Clean the Poly Plough and retouch any areas where the paint has been removed or scratched. Make sure all decals are properly positioned and free of damage. Replace them as required.
- To the best of my knowledge, the Poly Plough has been checked and is ready for delivery to the customer.
- Make sure that all accessories ordered by the customer have been installed.

**Technician's Signature** \_\_\_\_\_

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**Owner's Record**

**Name** \_\_\_\_\_

**Address** \_\_\_\_\_

**City** \_\_\_\_\_

**State** \_\_\_\_\_

**Serial Number** \_\_\_\_\_

**Model Number** \_\_\_\_\_

**Purchase Date** \_\_\_\_\_

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**Delivery Inspection:**

The following list is a reminder of important information to be conveyed directly to the Customer when delivering the Poly Plough. Mark each item after explaining it to the Customer correctly.

- Assemble the Poly Plough. Make sure all the hardware tighten properly.
- Give the customer the Operator's Manual and fully explain all operating adjustments as well as lubrication and maintenance operations.
- Explain the importance of operating the machine correctly and safely. Point out the decals that help the operator to avoid risks due to unsafe procedures and conditions.
- Remind the customer to record the Poly Plough serial number in the space provided at the back of this Operator's Manual.

**Delivery Date** \_\_\_\_\_

- Inform the Customer that when transporting the Poly Plough on public roads by day or night, lights and safety devices should be used to warn the operators of other vehicles. Advise that the customer check local traffic regulations.
- Complete the delivery and warranty forms by filling in the machine serial number.
- Explain the warranty. Have a form signed by the customer and dealer.
- Show the Customer how to attach the implement and how to make the main adjustments.
- To the best of my knowledge, the machine has been delivered, is ready for use and the Customer has been fully informed about its operation and care.

**Signature** \_\_\_\_\_

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**After-Sales Inspection:**

The following items should be check continuously during the first few hours of operation.

- Inspect the entire machine and make sure there are no damaged parts. Repair or replace parts as needed.
- Review Poly Plough operation with the customer.

**Inspection Date** \_\_\_\_\_

- Make sure proper operating adjustments have been understood.

- Make sure there is no loose or missing hardware.
- Review the entire Operator's Manual with the customer and emphasize the importance of adequate, regular lubrication and the safety precautions.
- Inform the customer of any accessories and options that are available.

**Signature** \_\_\_\_\_

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**Inspection before Each Day of Operation:**

Lubricate daily lube points and those due for lubrication at the recommended interval.

- Make sure there is no loose hardware and that no parts are damaged or missing.
- Verify the Poly plough is correctly attached to the tractor that the tractor hitch links are long enough and the control levers operate correctly.

**Inspection before Each Season:**

- Make sure the recommended lubrication has been performed.
- Make sure proper operating adjustments have been performed to obtain the best performance from the Poly plough.

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**Installation Instruction:**

Installation process Poly Plough is as follow:

- Clear the area of bystanders, especially small children.
- Back the tractor into the position where you can align the top link, the right and left lower links to the links position of Poly plough. The length of the lift links of tractor is adjustable by rotating the turn-buckle. Attach each three point links together and secure the connection with pin and lock with circle pin.
- Adjust the lift links by rotating the turn-buckle. The right lift link should be shorter than the left lift link which makes the right side of Poly plough lifted higher than the left side. This will keep the right side and left side of Poly plough parallel with the land and each disc are in the appropriate position to perform the best tillage as during the plough operation the right wheels of tractor are running into the groove

- The right and left lower links shall have the same clearance with rear wheels by adjusting the sway chains both sides. The sway chains should be tight in order to keep the Poly plough follow straight behind the tractor where each disc performs the wide working width in equivalent load.
- Adjust the top link arm to appropriate height in order to control the consistency of working depth by observe that the main frame of Poly plough is parallel with the land.
- The furrow disc should be adjusted after performed short distance of plough operation. The edge of furrow disc should run on the center line of the groove with 45 degree inclination to the center line of the groove by adjust the length of disc furrow shaft and rotate the furrow disc.
- Adjust the spring compression to increase appropriate pressure to the ground in order to control movement of Poly Plough.

**Buy Now**



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