

John Deere Harvest Identification, Cotton (S.N. PCXL01C or D)



JOHN DEERE

OPERATOR'S MANUAL

John Deere Harvest Identification, Cotton
(S.N. PCXL01C or D)

OMPFP22892 ISSUE B4 (ENGLISH)

CALIFORNIA

Proposition 65 Warning

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

If this product contains a gasoline engine:

WARNING

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

The State of California requires the above two warnings.

John Deere Ag Management Solutions

PRINTED IN U.S.A.

Introduction

John Deere Technical Information Bookstore

Product functionality may not be fully represented in this document due to product changes occurring after time of printing. Read the latest Operator's Manual prior to operation. To obtain a copy, see your dealer or visit techpubs.deere.com.

CZ76372,000071F-19-08OCT19

John Deere notify you of any issues or product improvements.

Serial Number:

JS56696,0000C4C-19-03FEB17

Foreword

THANK YOU for purchasing a John Deere product.

READ THIS MANUAL carefully to learn how to operate and service your product correctly. Failure to do so could result in personal injury or equipment damage. This manual and safety signs on your product may also be available in other languages. (See your John Deere dealer to order.)

THIS MANUAL SHOULD BE CONSIDERED a permanent part of your product and should remain with the product 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 the machine or implement will travel when going forward.

WRITE PRODUCT IDENTIFICATION NUMBERS (P.I. N.) in the Operator's Manual. Accurately record all the numbers to help in tracing the product should it be stolen. Your dealer also needs these numbers when you order parts. File a backup of the identification numbers in a safe location off the machine or away from the product.

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 or statement 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.

If you are not the original owner of this product, it is in your interest to contact your local John Deere dealer to inform them of this unit's serial number. This will help

Contents

	Page		Page
Safety		Harvest Identification, Cotton Status and Exit	
Recognize Safety Information	05-1	Codes	80-1
Understand Signal Words	05-1	Hardware/Software	80-2
Follow Safety Instructions	05-1	Input/Output Readings	80-2
Practice Safe Maintenance	05-2	Hours	80-3
Use Steps and Handholds Correctly	05-2		
Handle Electronic Components and Brackets			
Safely	05-2		
Avoid Exposure to High Radio Frequency			
Fields	05-3		
Regulatory and Compliance Information			
Notifications to User	20-1		
FCC Notifications to User	20-1		
Identify Date Code	20-1		
System Overview			
Theory of Operation	30-1		
Requirements	30-1		
Machine Compatibility	30-1		
Navigate to Application Controller Pages	30-1		
Enter Activation Code	30-2		
Component Overview			
Harvest Identification, Cotton Components	40-1		
GreenStar™ Display or Generation 4 Display	40-1		
Application Controller	40-1		
RFID Reader	40-2		
StarFire™ Receiver	40-2		
Setting Up			
Setup Wizard Overview	60-1		
Documentation	60-1		
Wireless Data Transfer	60-2		
Moisture Sensor	60-2		
Serial Ports	60-2		
Set Up Home Page	60-3		
Enable File Server	60-3		
Operating			
View Harvest Identification, Cotton			
Information	70-1		
Record	70-1		
Export the Data File	70-2		
Access Module Identification File on a USB			
Drive	70-3		
Convert Text to Microsoft Excel®	70-3		
Troubleshooting			
Harvest Identification, Cotton Diagnostics	80-1		

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.

Safety

Recognize Safety Information



T81389—UN—28JUN13

This is a safety-alert symbol. When you see this symbol on your machine or in this manual, be alert to the potential for personal injury.

Follow recommended precautions and safe operating practices.

DX,ALERT-19-03OCT22

Understand Signal Words



▲ WARNING

▲ CAUTION

TS187—19—30SEP88

DANGER; The signal word DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

WARNING; The signal word WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION; The signal word CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury. CAUTION may also be used to alert against unsafe practices associated with events which could lead to personal injury.

A signal word—DANGER, WARNING, or CAUTION—is used with the safety-alert symbol. DANGER identifies the most serious hazards. DANGER or WARNING safety signs are located near specific hazards. General precautions are listed on CAUTION safety signs. CAUTION also calls attention to safety messages in this manual.

DX,SIGNAL-19-05OCT16

Follow Safety Instructions



TS201—UN—15APR13

Carefully read all safety messages in this manual and on your machine safety signs. Keep safety signs in good condition. Replace missing or damaged safety signs. Be sure new equipment components and repair parts include the current safety signs. Replacement safety signs are available from your John Deere dealer.

There can be additional safety information contained on parts and components sourced from suppliers that is not reproduced in this operator's manual.

Learn how to operate the machine and how to use controls properly. Do not let anyone operate without instruction.

Keep your machine in proper working condition. Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.

If you do not understand any part of this manual and need assistance, contact your John Deere dealer.

DX,READ-19-01AUG22

Practice Safe Maintenance



TS218—UN—23AUG88

Understand service procedure before doing work. Keep area clean and dry.

Never lubricate, service, or adjust machine while it is moving. Keep hands, feet, and clothing away from power-driven parts. Disengage all power and operate controls to relieve pressure. Lower equipment to the ground. Stop the engine. Remove the key. Allow machine to cool.

Securely support any machine elements that must be raised for service work.

Keep all parts in good condition and properly installed. Fix damage immediately. Replace worn or broken parts. Remove any buildup of grease, oil, or debris.

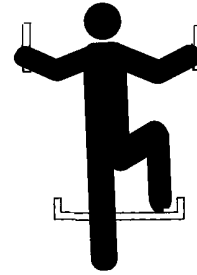
On self-propelled equipment, disconnect battery ground cable (-) before making adjustments on electrical systems or welding on machine.

On towed implements, disconnect wiring harnesses from tractor before servicing electrical system components or welding on machine.

Falling while cleaning or working at height can cause serious injury. Use a ladder or platform to easily reach each location. Use sturdy and secure footholds and handholds.

DX,SERV-19-28FEB17

Use Steps and Handholds Correctly



T133468—UN—15APR13

Prevent falls by facing the machine when getting on and off. Maintain 3-point contact with steps, handholds, and handrails.

Use extra care when mud, snow, or moisture present slippery conditions. Keep steps clean and free of grease or oil. Never jump when exiting machine. Never mount or dismount a moving machine.

DX,WW,MOUNT-19-12OCT11

Handle Electronic Components and Brackets Safely



TS249—UN—23AUG88

Falling while installing or removing electronic components mounted on equipment can cause serious injury. Use a ladder or platform to easily reach each mounting location. Use sturdy and secure footholds and handholds. Do not install or remove components in wet or icy conditions.

If installing or servicing a RTK base station on a tower or other tall structure, use a certified climber.

If installing or servicing a global positioning receiver mast used on an implement, use proper lifting techniques and wear proper protective equipment. The mast is heavy and can be awkward to handle. Two people are required when mounting locations are not accessible from the ground or from a service platform.

DX,WW,RECEIVER-19-24AUG10

Avoid Exposure to High Radio Frequency Fields



PC12632—UN—04JUN10

Prevent injury from exposure to high radio frequency fields at the RFID Reader. Do not touch the RFID Reader while transmitting. Always disconnect power to the RFID Reader before installing or servicing.

While using the RFID Reader, stay at least 20 cm (8 in.) away.

AL70325,00001A4-19-16OCT14

Regulatory and Compliance Information

Notifications to User

These devices must be operated as supplied by John Deere Ag Management Solutions. Any changes or modifications made to these devices without the express written approval of John Deere Ag Management Solutions may void the user's authority to operate these devices.

BA31779,00006FC-19-25OCT13

FCC Notifications to User

John Deere RFID Reader

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

John Deere RFID Reader

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

AL70325,00001A3-19-16OCT14

DATE CODE YY WW
B C

PC17574—UN—16AUG13

Date Code Example

A—Date Code (date of manufacture)
B—Last Two Numbers of Year of Manufacture
C—Week Number of Calendar Year of Manufacture

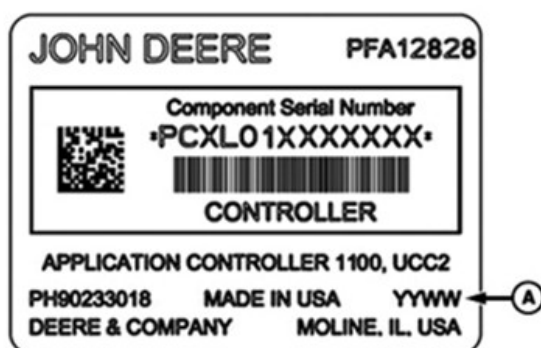
Use the date code (A) on the product label to identify the date of manufacture. "YY" identifies the last two numbers of the year of manufacture (B); "WW" identifies the week number of calendar year of manufacture (C).

NOTE: The week number of manufacture ranges between 01—53.

Date Code		
YY	Last Two Numbers of Year of Manufacture	Example: 16 = 2016 17 = 2017 18 = 2018
WW	Week Number of Calendar Year of Manufacture	Example: 01, 02, 03—53

RW00482,00007B8-19-07FEB22

Identify Date Code



PC28647—UN—07FEB22

Product Label Example

System Overview

Theory of Operation

John Deere Harvest Identification, Cotton automatically records module information and eliminates the need to tag and document each module manually. The system uses radio frequency identification (RFID) tags in the module wrap to track:

- Module Identification (ID)
- Module Serial Number
- Latitude
- Longitude
- Greenwich Mean Time (GMT) Date
- GMT Time
- Tag Count
- Client
- Farm
- Field
- Variety
- Machine Product Identification Number (PIN)
- Operator
- Gin ID
- Producer ID
- Local Time
- Field Area
- Season Total
- Moisture
- Diameter
- Weight

The display records and stores information for module tracking and yield calculation. The Module Identification file can be provided to the gin for receiving processes.

RW00482,00007E1-19-05MAR19

Requirements

Compatibility and system functionality vary by location and equipment configuration. For more information about availability of components, system functionality, and compatibility, contact your John Deere dealer. Additional information can be referenced in the Compatibility Guide on the Value Selling Navigator.

Hardware:

- GreenStar™ 3 Display or Generation 4 Display
- Application Controller
- Radio frequency identification (RFID) reader
- Application Controller harness
- StarFire™ 3000 or 6000 Receiver
- Various harnesses associated with power supply, control unit integration, and sensor communication

*GreenStar is a trademark of Deere & Company
StarFire is a trademark of Deere & Company*

Software:

- Latest software installed on the:
 - Display
 - Application Controller
 - StarFire™ Receiver(Go to www.StellarSupport.com and navigate to Software Updates.)
- Harvest Identification, Cotton activation on Application Controller
- Harvest Identification, Cotton and documentation setup complete

BVVMSIT,0000CB8-19-21DEC21

Machine Compatibility

Cotton Picker:

- 7760 (S.N. 00201–)
- CP690 (S.N. 45001–)

Cotton Stripper:

- CS690 (S.N. 45001–)

AL70325,000018F-19-03OCT14

Navigate to Application Controller Pages

NOTE: Turn key OFF and allow the display to completely power down before connecting or disconnecting ISOBUS implements or sensors.

After navigating to the Application Controller pages, the GreenStar™ 3 and Generation 4 Displays have the same layouts.

To navigate to the Application Controller pages using a GreenStar™ 3 Display:



Menu Button

PC8663—UN—29APR15

1. Select the Menu button.



Application Controller Button

PC26351—UN—10OCT18

2. Select the Application Controller button.

To navigate to the Application Controller pages using a Generation 4 Display:



Menu Button

PC17269—UN—15JUL13

1. Select the Menu button.



Applications Tab

PC21496—UN—05OCT15

2. Select the Applications tab.



ISOBUS VT Application

PC16682—UN—18MAR13

3. Select the ISOBUS VT application.



ISOBUS VT Menu Button

PC15293—UN—18MAR13

4. Select the ISOBUS VT Menu button.



Application Controller Button

PC26351—UN—10OCT18

5. Select the Application Controller button.

RW00482,000078D-19-31MAY19

Enter Activation Code

The Application Controller requires 26-digit activation codes to operate applications. Contact your John Deere dealer and provide the Application Controller serial number.

Available applications:

- Harvest Identification, Cotton

- Mobile Weather
- Yield Documentation, Specialty Crop

1. Navigate to the Application Controller pages.



Controller Setup Softkey

PC26352—UN—05OCT18

2. Select the Controller Setup softkey.



Activations Tab

PC25903—UN—05JUL18

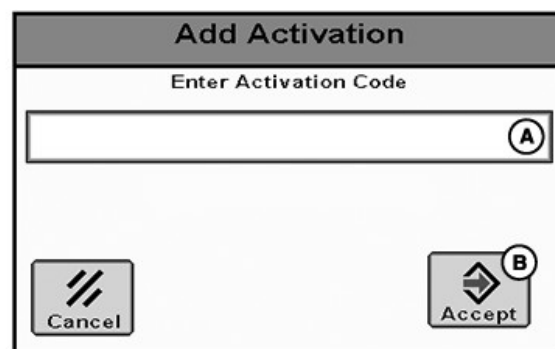
3. Select the Activations tab.



Add Activation Button

PC25904—UN—05JUL18

4. Select the Add Activation button.



PC25905—UN—05JUL18

A—Enter Activation Code Input Box

B—Accept Button

5. Enter the activation code into the input box (A).

6. Select the Accept button (B).

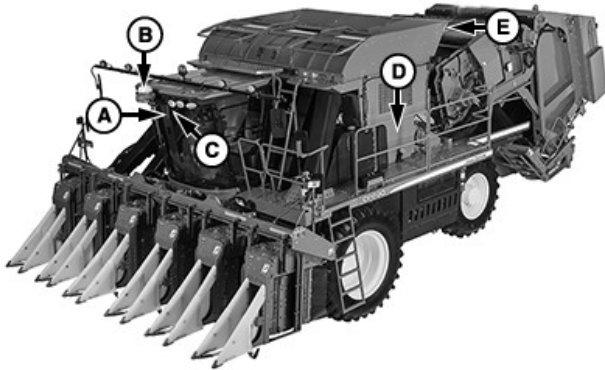
7. If applicable, repeat steps 4—6.

8. Shut OFF the machine, wait for the display to power down, and then restart the machine.

BVVMSIT,0000CBF-19-21DEC21

Component Overview

Harvest Identification, Cotton Components



- A—Display
B—Receiver
C—Application Controller on 7760 (S.N. 00201–39000)
D—Application Controller on 7760 (S.N. 39001–), CP690 and CS690 (S.N. 45001–)
E—Radio Frequency Identification (RFID) Reader

PC25033—UN—22NOV17

BVVM5IT,0000CBB-19-21DEC21



PC24742—UN—28SEP17

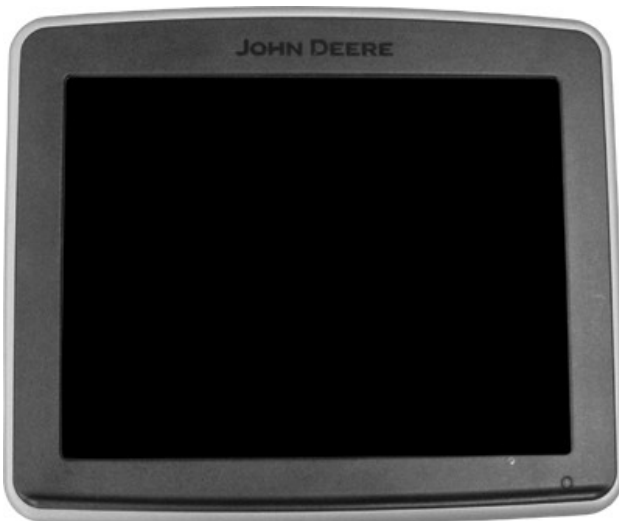
4640 Universal Display

The display is a user interface used by the operator to:

- Configure and calibrate system components.
- Monitor system performance.
- Make system adjustments.
- Program software.
- View diagnostic tests.

RW00482,00001B1-19-28SEP17

GreenStar™ Display or Generation 4 Display



PC13407—UN—20APR11

GreenStar™ 3 2630 Display

Application Controller



PC16305—UN—27NOV12

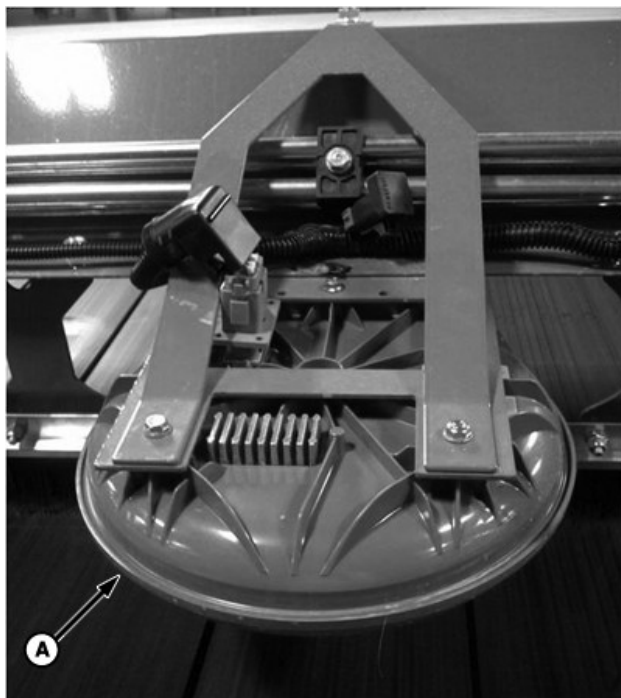
Application Controller

NOTE: Application Controller location and alignment may vary for each machine model. Refer to the *Installation Instructions* for the specific mounting location.

Harvest Identification, Cotton utilizes an Application Controller that is mounted in a protected location.

BVVM5IT,0000CBA-19-21DEC21

RFID Reader



PC14077—UN—10OCT11

A—RFID Reader

Radio frequency identification (RFID) reader (A) reads RFID tags embedded in module wrap. Tags are read while module is wrapped.

AL70325,000019B-19-06OCT14

StarFire™ Receiver



PC20203—UN—06NOV14

Receiver uses navigation satellites with StarFire™ correction satellites to determine machine location and direction of travel. An integrated terrain compensation module (TCM) adjusts machine position to compensate for uneven terrain. A StarFire™ signal activation is required to operate AutoTrac™.

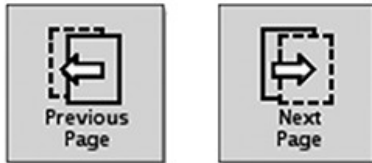
HC94949,000061B-19-11NOV14

*StarFire is a trademark of Deere & Company
AutoTrac is a trademark of Deere & Company*

Setting Up

Setup Wizard Overview

The setup wizard in this manual is a general overview for John Deere Harvest Identification, Cotton. The Application Controller can control multiple features at the same time. Multiple application features are available by selecting and setting up more than one feature.



PC26051—UN—13SEP18
Previous Page and Next Page Buttons

The setup wizard guides the operator through a series of steps based on the options selected. Select the Previous Page and Next Page buttons to navigate through the setup wizard.



Help Softkey

PC26386—UN—11OCT18

In addition to this Operator's Manual, the operator can select the Help softkey for more information about a step.

To start the setup wizard:

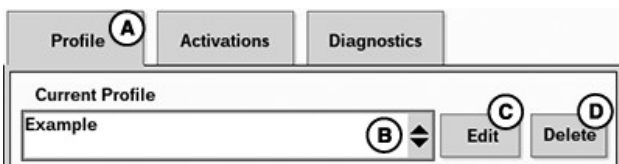
1. Navigate to the Application Controller pages.



Controller Setup Softkey

PC26352—UN—05OCT18

2. Select the Controller Setup softkey.



PC26053—UN—16OCT18

- A—Profile Tab
- B—Current Profile Drop-Down Menu
- C—Edit Button
- D—Delete Button

3. Select the Profile tab (A).
4. Select a profile from the Current Profile drop-down menu (B).

- Select < Add New Profile > to create a profile.
- Select an existing profile to edit.

NOTE: After a profile is set up, more items populate in the Profile tab. Each item allows individual settings to be changed without stepping through the setup wizard.

5. Select the Edit button (C).

NOTE: The Delete button (D) only shows if an existing profile is selected.

6. Select the features needed for the task.

BVVMSIT,0000CBC-19-21DEC21

Documentation

Select the Harvest Identification softkey > Setup tab > Documentation Edit button.

Documentation	
Gin ID: F2 (A)	Client: (E) John
Producer ID: JD00123 (B)	Farm: (F) Deere
Machine PIN: (C) 1N07760XEA0030237	Field: (G) 4640
Operator: (D) John	

PC26549—UN—26NOV18

- A—Gin Identification Input Box
- B—Producer Identification Input Box
- C—Machine PIN
- D—Operator
- E—Client
- F—Farm
- G—Field

1. Enter the gin identification into the input box (A).
2. Enter the producer identification into the input box (B).

Machine product identification number (PIN) (C), Operator (D), Client (E), Farm (F), and Field (G) should automatically populate. If they do not automatically populate, input boxes become available so the operator can enter the information.

RW00482,00007C9-19-28MAY19

Wireless Data Transfer

Select the Harvest Identification softkey > Setup tab > Wireless Data Transfer Edit button.

PC26569—UN—29NOV18

A—Hour Format Drop-Down Menu

B—Auto Send 1 Checkbox

C—Auto Send 2 Checkbox

D—Auto Send 3 Checkbox

E—Hour Input Box

F—Minute Input Box

G—AM/PM Drop-Down Menu

1. Select 12 or 24 hour time format from the drop-down menu (A).

NOTE: Transfer time inputs are only available when an Auto Send checkbox (B—D) is selected.

2. Select an Auto Send checkbox.
3. Enter the hour into the input box (E).
4. Enter the minute into the input box (F).
5. If the 12 hour format is selected, choose AM or PM from the drop-down menu (G)
6. To set up additional transfer times, repeat steps 2 and 3.

RW00482,00007CA-19-28MAY19

Moisture Sensor

Select the Harvest Identification softkey > Setup tab > Moisture Sensor Edit button.

PC26573—UN—05MAR19

A—Enable Moisture Sensor Checkbox

B—Moister Sensor Drop-Down Menu

C—Serial Port Assignment Drop-Down Menu

D—Serial Port Setup Button

1. To enable the moisture sensor, select the checkbox (A).
2. Select a sensor source from the drop-down menu (B).
3. Select a serial port from the drop-down menu (C) and then the Serial Port Setup button (D).

RW00482,00007CB-19-11DEC18

Serial Ports

Select Controller Setup softkey > Profile tab > Serial Ports Edit button > Serial Port 1 or 2 Edit button.

PC26071—UN—22MAY19

- A—Baud Rate Drop-Down Menu
 B—Used By Drop-Down Menu
 C—Enable NMEA Checkbox
 D—NMEA Message Type Drop-Down Menu
 E—NMEA Rate Drop-Down Menu

1. Select the baud rate from the drop-down menu (A).
2. Select the device that uses the serial port from the drop-down menu (B).
3. To enable National Marine Electronics Association (NMEA) messaging, select the checkbox (C).
 - a. Select the NMEA message type from the drop-down menu (D).
 - b. Select the NMEA rate from the drop-down menu (E).

RW00482,0000738-19-04JUN19

Set Up Home Page

After a Harvest Identification, Cotton profile has been set up, a home page can be configured to display Harvest Identification, Cotton information and functions.

To set up a home page, use the Layout Manager application and select a Harvest Identification, Cotton module.

(Reference the display Operator's Manual to set up home pages.)

RW00482,00007CC-19-11DEC18

Enable File Server

NOTE: If using multiple displays, make sure that the file server is OFF on the other display.

GreenStar™ 3 2630 Display

1. Select the Menu button > Display button > Diagnostics softkey.

PC26729—UN—09JAN19

- A—Multiple Displays Tab
 B—Change Settings Button

2. Select the Multiple Displays tab (A), then the Change Settings button (B).

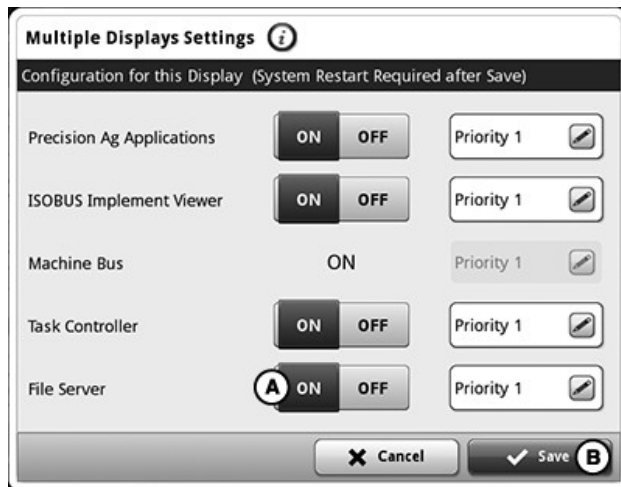
PC26730—UN—09JAN19

- A—File Server Checkbox
 B—Save Settings and Restart Display Button

3. Select the File Server checkbox (A), then the Save Settings and Restart Display button (B).
4. Turn the machine OFF, allow the display to shut down, and then restart the system.

Generation 4 Display

1. Select the Menu button > System tab > Display and Sound application > Multiple Displays tab > Edit button > Advanced Setup button.



PC26731—UN—09JAN19

A—File Server Toggle
B—Save Button

2. Turn the file server ON using the toggle (A), then select the Save button (B).
3. Turn the machine OFF, allow the display to shut down, and then restart the system.

RW00482,00007ED-19-11JUN19

Operating

View Harvest Identification, Cotton Information

After a Harvest Identification, Cotton profile has been set up, harvest information can be viewed on either the Harvest Identification, Cotton status page or on a home page. To open a full Harvest Identification, Cotton information page, select the status and exit code box on any home page module or the status page.

The screenshot shows the 'Harvest ID Cotton' screen. At the top, there's a status section with 'Active' (indicated by a green dot and labeled A) and 'OK' (indicated by a green dot and labeled B). Below this are two large display areas: 'Field Total' showing '15' (labeled C) with a 'Reset' button (labeled F), and 'Season Total' showing '120' (labeled D) with a 'Reset' button (labeled G). The 'Season Total' display has three small input boxes labeled 1, 2, and 3. Below these are 'Module SN' (11207048020, labeled E) and 'Moisture' (4.2 %). A 'Client' section lists 'John', 'Farm: Deere', and 'Field: 4640'. A 'Gin ID' field shows 'F2'. There's a 'Documentation' button. At the bottom, there's a 'Wireless Data Transfer' section with an 'Upload Data Now' button (labeled H) and a 'State Ready' indicator. A 'Return' button is at the bottom right.

PC26576—UN—03DEC18

- A—Harvest Identification, Cotton Status
- B—Harvest Identification, Cotton Exit Code
- C—Field Total
- D—Season Total
- E—Module Serial Number
- F—Field Reset Button
- G—Season Reset Button
- H— Upload Data Now Button

The Harvest Identification, Cotton status (A) displays “Active” and the exit code (B) displays “OK” when the system is set up and working properly.

(For more information on status and exit codes, reference Troubleshooting.)

Field Total and Season Total

Each automatic module wrap increments the Field Total (C) and Season Total (D), and displays the last recorded Module Serial Number (E). To restart the count at zero, select the Reset button (F or G). To start the count at a desired number, select the input boxes to enter the number.

Field Total and Season Total track the total module count for:

- Day
- Field
- Farm
- Client

- Operator
- Variety
- Overall count for season

NOTE: If the field name is changed, Field Total is automatically set to 0.

Module Identification File

Data can be transferred either manually with a USB drive or automatically with Wireless Data Transfer.

(For more information, reference Wireless Data Transfer.)

Wireless Data Transfer automatically sends the Module Identification file at operator defined transfer times. The file can also be transferred at any time by selecting the Upload Data Now button (H).

Go to my.deere.com to use John Deere Operations Center to access the file.

Delete the Module Identification file at the beginning of each harvest or the display keeps adding to the existing file.

RW00482,00007CF-19-09JAN19

Record

Information is recorded for the module tracking and yield calculation. This information can be provided to the gin for receiving processes.

Requirements to record Module Identification file are:

- Harvest Identification, Cotton is activated.
- Machine communication is OK.
- Radio frequency identification (RFID) communication is OK.
- Global positioning system (GPS) is available.
- File server is connected.

(For more information, reference Harvest Identification, Cotton Diagnostics.)

Harvest Identification, Cotton records data to the Module Identification file after completing automatic module wrap cycle. The following data is recorded in the Module Identification file:

- Module Identification
- Module Serial Number
- Latitude
- Longitude
- Greenwich Mean Time (GMT) Date
- GMT Time
- Tag Count
- Client

- Farm
- Field
- Variety
- Machine Product Identification Number (PIN)
- Operator
- Gin Client Identification
- Producer Identification
- Local Time
- Field Area (m²)
- Season Total
- Moisture (%)
- Diameter (cm)
- Weight (kg)

RW00482,00007D5-19-12DEC18

Export the Data File

GreenStar™ 3 2630 Display

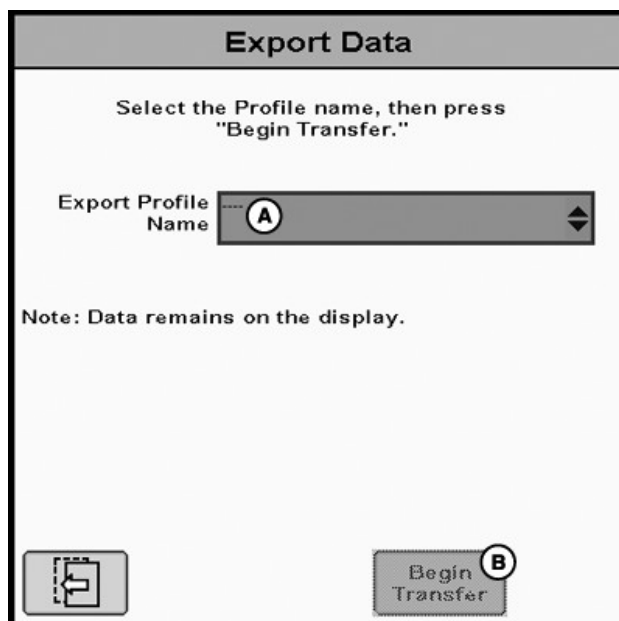
1. Insert the USB drive into the GreenStar™ 3 2630 Display.



Export Data Button

PC26717—UN—08JAN19

2. After the USB drive is detected, the Data Transfer page is displayed. Select the Export Data button.



PC25034—UN—22NOV17

- A—Export Profile Name Drop-Down Menu
B—Begin Transfer Button

3. Select or enter an export profile name in the drop-down menu (A).
4. Select the Begin Transfer button (B).

Generation 4 Display

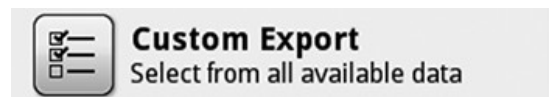
1. Insert the USB drive into the Generation 4 Display.



Export Data Button

PC26718—UN—08JAN19

2. After the USB drive is detected, the USB Drive Options page is displayed. Select the Export Data button.



Custom Export Button

PC26719—UN—08JAN19

3. Select the Custom Export button.



PC26720—UN—08JAN19

- A—USB Drive
B—Next Button

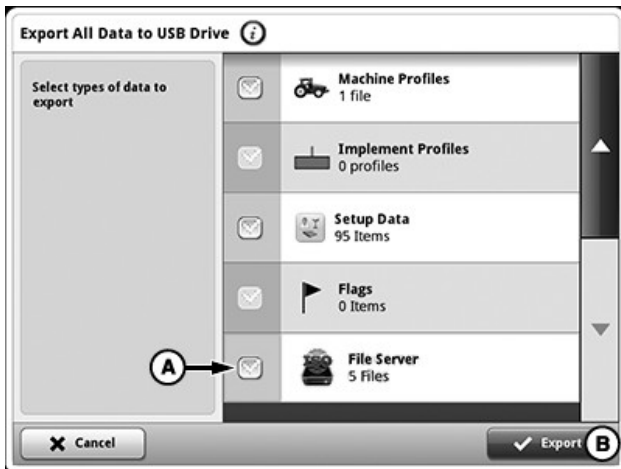
4. Select USB Drive (A) and then the Next button (B).



PC26721—UN—10JAN19

- A—All Data
B—Selected Client/Farm/Field
C—Next Button

5. Select either All Data (A) or Selected Client/Farm/Field (B). If Selected Client/Farm/Field is selected, ensure that the correct names are chosen.
6. Select the Next button (C).



PC26722—UN—26MAR19

- A—File Server Checkbox
B—Export Button

7. Select the File Server checkbox (A) and then the Export button (B).

RW00482,00007EB-19-21OCT21

4. Open the exported profile name folder.
5. Open the RCD folder.
6. Open the File Server folder.
7. Locate the file in folder HIDC<AC1120 Serial Number>.txt.
8. Save the Module Identification file to the computer hard drive.

RW00482,00007EC-19-07JAN19

Convert Text to Microsoft Excel®

1. Save HIDC<AC1120 Serial Number>.txt to desktop.
2. Open Microsoft Excel®.
3. Go to File, and select Open.
4. Change file type to "All Files."
5. Navigate to HIDC<AC1120 Serial Number>.txt.
6. Select "delimited," and then Next.
7. Deselect "Tab" from Delimiters list.
8. Select "Comma" from Delimiters list.
9. Select Finish.

RW00482,00007E2-19-05APR19

Access Module Identification File on a USB Drive

NOTE: File Server folder located on root of USB drive does not contain Module Identification file.

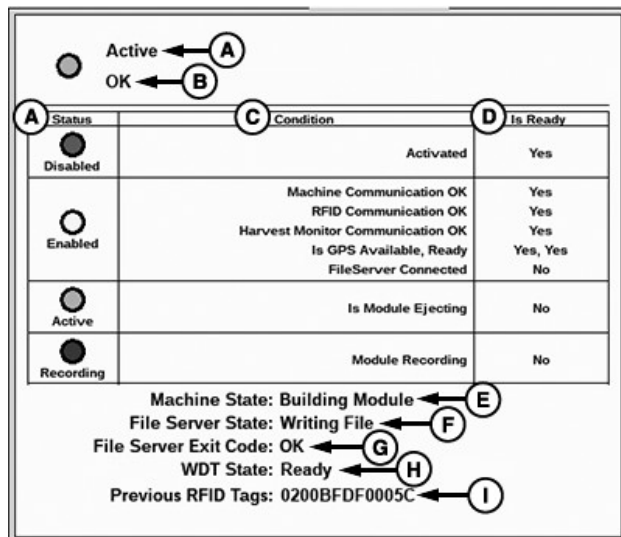
1. Connect the USB drive to the computer.
2. Open the USB drive.
3. Open the display folder (for example, GS3_2630).

Excel is a trademark of Microsoft Corporation in the United States and other countries

Troubleshooting

Harvest Identification, Cotton Diagnostics

Select the Harvest Identification, Cotton softkey > Diagnostics tab.



PC26577—UN—03DEC18

- A—Harvest Identification, Cotton Status
- B—Harvest Identification, Cotton Exit Code
- C—Condition
- D—Is Ready
- E—Machine State
- F—File Server State
- G—File Server Exit Code
- H—WDT State
- I—Previous RFID Tags

Harvest Identification, Cotton Diagnostics page displays:

- Harvest Identification, Cotton Status (A)—The operational status of Harvest Identification, Cotton.
- Harvest Identification, Cotton Exit Code (B)—Indicates the last Harvest Identification, Cotton exit code.
- Condition (C)—The requirements to reach each Harvest Identification, Cotton status.
- Is Ready (D)—Indicates whether a condition has been met.
- Machine State (E)—Indicates if the machine is building, ejecting, or wrapping a module.
- File Server State (F)—Indicates the current file server state.
- File Server Exit Code (G)—Indicates the last file server exit code.
- WDT State (H)—Indicates the current wireless data transfer (WDT) state.
- Previous RFID Tags (I)—Displays up to three of the latest radio frequency identification (RFID) tags read.

The system automatically tries reconnecting after a failure. Ensure that the software is up to date and the file server function is enabled.

(For more information on WDT, reference the display Operator's Manual.)

RW00482,00007CE-19-05APR19

Harvest Identification, Cotton Status and Exit Codes

Status Code	Description	Solution
Disabled	System is non-functional.	Verify that Harvest Identification, Cotton is activated on the Application Controller.
Enabled	System is non-functional.	Verify that Harvest Identification, Cotton configuration is correct and that the system is communicating with sensors and the Radio frequency identification (RFID) reader.
Active	System is functional.	Normal operation.
Recording	New bale detected and the data is being recorded.	Normal operation.

Exit Codes	Description	Solution
OK	Harvest Identification, Cotton is ready to operate, or is operating without errors.	System working properly.
Not Activated	Desired application has not been activated on the Application Controller.	(Reference Enter Activation Code for more information.)
Machine GPS Accuracy Not Met	No machine global positioning system (GPS) signal available or accuracy level is too low.	(Reference Satellite Information or the StarFire™ Receiver Operator's Manual for more information.)
No Machine GPS Detected	No machine GPS signal available or accuracy level is too low.	Verify that a StarFire™ Receiver is installed and check connections.
No Comm. With Machine	No communication with the machine.	Verify that the machine configuration is correct in the display.
No RFID Communication	No communication with the RFID reader.	Verify that the RFID reader is installed and check the connections.

File Server Not Connected	File Server is OFF.	Turn ON File Server by editing multiple display settings. (Reference the Enable File Server for more information.)
---------------------------	---------------------	--

StarFire is a trademark of Deere & Company

BVVM5IT,0000CBD-19-21DEC21

Hardware/Software

PC26366—UN—27MAR19

- A—Drop-Down Menu
- B—Hardware Version
- C—Software Version
- D—Serial Number
- E—Primary Source Address
- F—Secondary Source Address
- G—Enable CAN Diagnostics Checkbox

Select the Controller Setup softkey > Diagnostics tab > Hardware/Software from the drop-down menu (A).

Hardware/Software displays the Application Controller:

- Hardware Version (B)
- Software Version (C)
- Serial Number (D)
- Primary Source Address (E)
- Secondary Source Address (F)

To enable broadcasting of diagnostic values and statuses for CAN recording, select the Enable CAN Diagnostics checkbox (G). CAN recordings are used for advanced troubleshooting.

RW00482,0000791-19-04APR19

Input/Output Readings

Signal	Pin	Voltage
Analog In 1	G2	0.01
Analog In 2	K2	0.01
Analog In 3	G3	0.00
Analog Out 1	H1	0.03
Analog Out 2	J1	0.03
5 V In	E1	0.02
5 V Out	K3	4.94

Digital Signal	Pin	State	Frequency (Hz)
Dig In 1	G1	0	0
Dig In 2	K1	0	0
Dig In 3	C3	1	0

Low Side Driver	Pin	State	Current (mA)
Low Side Driver 1	E3	1	21
Low Side Driver 2	E2	1	7
Low Side Driver 3	D3	1	27

PC26375—UN—11DEC18

- A—Drop-Down Menu
- B—Analog Signal
- C—Digital Signal
- D—Low Side Driver Signal
- E—Pin Number
- F—Voltage
- G—State
- H—Frequency
- I—Current

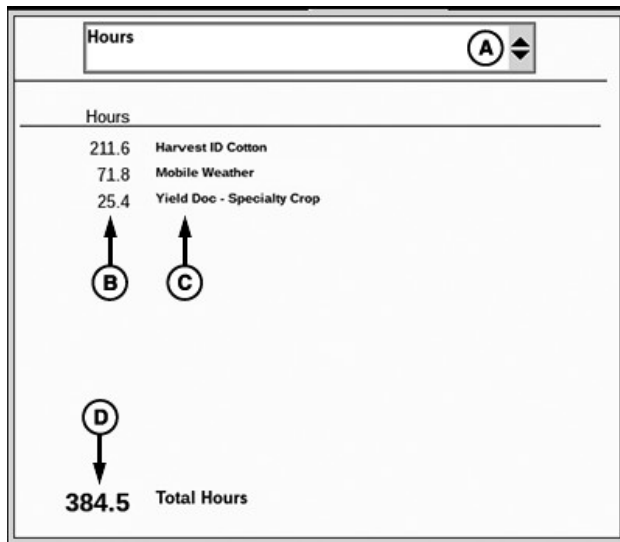
Select the Controller Setup softkey > Diagnostics tab > Input/Output Readings from the drop-down menu (A).

Input/Output Readings display the signal type (B—D) and the pin number (E) used on the Application Controller connector.

- Analog signals display voltage (F).
- Digital signals display the state (G) and frequency (H).
- Low side drivers display the state (G) and current (I).

RW00482,0000792-19-04APR19

Hours



PC26365—UN—04DEC18

A—Drop-Down Menu

B—Hours

C—Application

D—Total Hours

Select the Application Controller softkey > Diagnostics tab > Hours from the drop-down menu (A).

Hours (B) displayed are the amount of time each application (C) operated with an active status.

Total Hours (D) displayed are the total time the Application Controller operated with an active status.

RW00482,0000793-19-28MAY19

Index

A		
Access Module Identification file	70-3	
Activation code	30-2	
C		
Components	40-1	
D		
Diagnostics	80-1	
Display	40-1	
Documentation	60-1	
E		
Enable File Server	60-3	
Exit code	80-1	
Export Module Identification file	70-2	
F		
File Server	60-3	
G		
Generation 4 Display		
Components	40-1	
GreenStar Display		
Components	40-1	
H		
Hardware	30-1	
Home page	60-3	
M		
Module ID File	70-1	
Module Identification file		
Access	70-3	
Export	70-2	
Moisture sensor	60-2	
Multiple applications	60-1	
N		
Navigation	30-1	
R		
Recording	70-1	
Requirements	30-1	
RFID Reader	40-2	
S		
Safety		
Safe maintenance, practice	05-2	
Safety, Steps and Handholds		
Use Steps and Handholds Correctly	05-2	
Serial ports	60-2	
Set up		
Documentation	60-1	
Home page	60-3	
Moisture sensor	60-2	
Serial ports	60-2	
Wireless data transfer	60-2	
Setup wizard		
Overview	60-1	
Signal words, understand	05-1	
Software	30-1	
Status code	80-1	
System Components		
Application Controller	40-1	
Generation 4 Display	40-1	
GreenStar Display	40-1	
T		
Theory of operation	30-1	
Troubleshoot		
Application Controller		
Hardware/Software	80-2	
Hours	80-3	
Input/Output Readings	80-2	
V		
View Harvest Identification, Cotton information ..	70-1	
W		
Wireless data transfer	60-2	

John Deere Service Literature Available

Technical Information

Technical information can be purchased from John Deere. Publications are available in print or CD-ROM format.

Orders can be made using one of the following:

- John Deere Technical Information Store: **www.JohnDeere.com/TechInfoStore**
- Call 1-800-522-7448
- Contact your John Deere dealer

Available information includes:



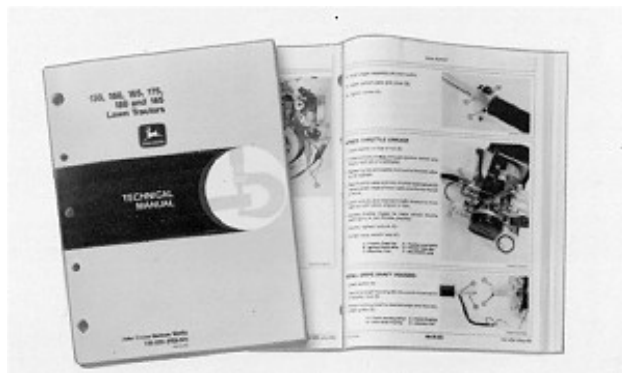
TS189—UN—17JAN89

PARTS CATALOGS list service parts available for your machine with exploded view illustrations to help you identify the correct parts. It is also useful in assembling and disassembling.



TS191—UN—02DEC88

OPERATOR'S MANUALS providing safety, operating, maintenance, and service information.



TS224—UN—17JAN89

TECHNICAL MANUALS outlining service information for your machine. Included are specifications, illustrated assembly and disassembly procedures, hydraulic oil flow diagrams, and wiring diagrams. Some products have separate manuals for repair and diagnostic information. Some components, such as engines, are available in a separate component technical manual.



TS1663—UN—10OCT97

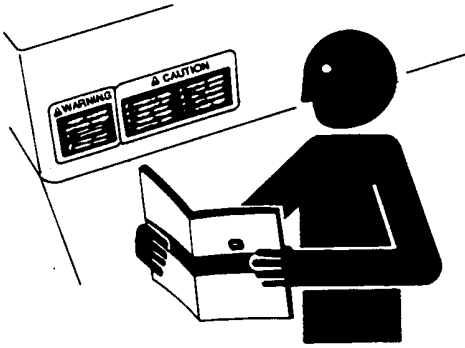
EDUCATIONAL CURRICULUM including five comprehensive series of books detailing basic information regardless of manufacturer:

- Agricultural Primer series covers technology in farming and ranching.
- Farm Business Management series examines “real-world” problems and offers practical solutions in the areas of marketing, financing, equipment selection, and compliance.
- Fundamentals of Services manuals show you how to repair and maintain off-road equipment.
- Fundamentals of Machine Operation manuals explain machine capacities and adjustments, how to improve machine performance, and how to eliminate unnecessary field operations.
- Fundamentals of Compact Equipment manuals provide instruction in servicing and maintaining equipment up to 40 PTO horsepower.

DX,SERVIT-19-07DEC16

John Deere Service Keeps You on The Job

John Deere Is At Your Service



TS201—UN—15APR13

CUSTOMER SATISFACTION is important to John Deere.

Our dealers strive to provide you with prompt, efficient parts and service:

- Maintenance and service parts to support your equipment.
- Trained service technicians and the necessary diagnostic and repair tools to service your equipment.

CUSTOMER SATISFACTION PROBLEM RESOLUTION PROCESS

Your John Deere dealer is dedicated to supporting your equipment and resolving any problem you may experience.

1. When contacting your dealer, be prepared with the following information:

- Machine model and product identification number
- Date of purchase
- Nature of problem

2. Discuss problem with dealer service manager.

3. If unable to resolve, explain problem to dealership manager and request assistance.

4. If you have a persistent problem your dealership is unable to resolve, ask your dealer to contact John Deere for assistance. Or contact the Ag Customer Assistance Center at 1-866-99DEERE (866-993-3373) or e-mail us at www.deere.com/en_US/ag/contactus/.

DX,IBC,2-19-02APR02