Digital Indicators—Tachometer, Ground Speed, Transmission, and Set Speed

A—Tachometer: Displays engine speed in multiples of 10. If "- - -" is displayed, no speed signal is being received.

B—Travel Speed Indicator: Displays travel speed in either miles per hour or kilometers per hour, depending on operator selected units (U.S. or Metric).

If "- - -" is displayed, no speed signal is being received.

C—Transmission Information: Shows if transmission is in Neutral—N, Forward—F, Reverse—R, or Park—P.

If "- - -" is displayed, no gear signal is being received.

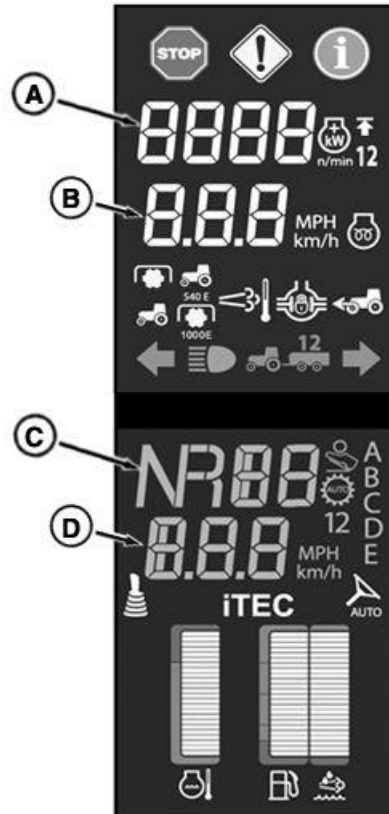**IVT™/AutoPowr™ Only:** Shows speed bands 1 or 2 and speed settings.

D—Set Speed Indicator: Shows what speed is set using set speed adjuster.[1]

A—Tachometer	C—Transmission Information
B—Travel Speed Indicator	D—Set Speed Indicator

[1]*For IVT™/AutoPowr™ and CommandQuad™ equipped tractors only.*

RD47322,0000153 -19-24JUL13-1/1

RXA0129537 —UN—13NOV12

Gauges—Coolant Temperature, Diesel Exhaust Fluid (DEF) Level, and Fuel Level

A—Coolant Temperature Gauge: Shows engine coolant temperature between 40—120 °C (104—248 °F). All segments are off when coolant temperature is below 40 °C (104 °F). All segments are lit when temperature is 120 °C (248 °F) and above.

B—Fuel Level Gauge: Displays fuel level in tank. Each lighted segment represents 4% of fuel tank total capacity. When fuel tank is full, all segments are lit. When only bottom segment is lit, tank is nearly empty with approximately 39 L (10 gal) remaining.

NOTE: Diesel Exhaust Fluid (DEF) is only available on FT4/ Stage IV engine equipped tractors. DEF gauge will not show up if not equipped with those engines.

C—Diesel Exhaust Fluid (DEF) Gauge (If Equipped): Displays diesel exhaust fluid level. Each lighted segment represents 4% of DEF fluid tank total capacity. When DEF fluid tank is full, all segments are lit. When only bottom segment is lit, tank is nearly empty. DEF fluid tank should be filled whenever fuel tank is filled.
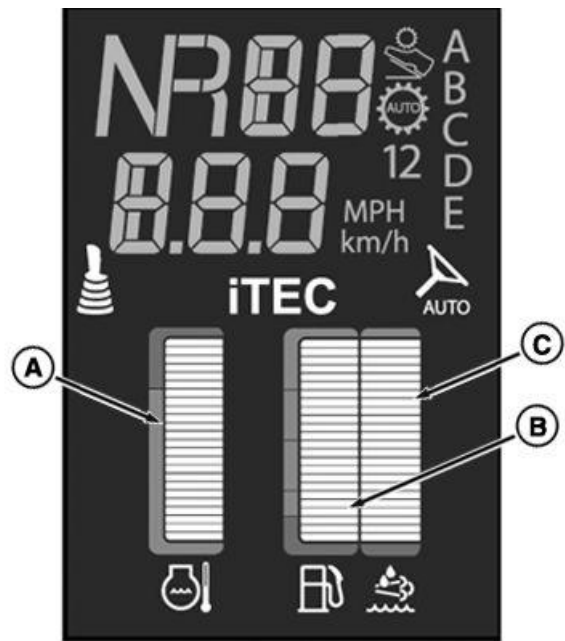
A—Coolant Temperature Gauge
B—Fuel Level Gauge
C—Diesel Exhaust Fluid (DEF) Gauge

RD47322,0000154 -19-06SEP13-1/1

CommandARM™ with Generation 4 CommandCenter™ Display

A—Hand Throttle Control
B—Differential Lock & MFWD
C—iTEC™ & AutoTrac™ Resume
D—Speed Control Lever/Shift Lever
E—SCV Lock Button/ISB Lock Button
F—Generation 4 Command-Center™
G—Rear Hitch Lever
H—SCV Control Levers
I— Front Hitch Command Lever (If Equipped)
J—Climate, Radio, and Lighting Controls
K—Depth Adjust Hitch Dial
L—Set/Lock/Resume Buttons
M—Load Depth/Upper Limit/Drop Rate Hitch Dials
N—Front and Rear PTO Levers
O—Joystick

CommandARM™

CommandARM is a trademark of Deere & Company
iTEC is a trademark of Deere & Company
AutoTrac is a trademark of Deere & Company
CommandCenter is a trademark of Deere & Company

RD47322,0000155 -19-28AUG13-1/1

CommandARM™ Joystick

Controls Setup Icon appears around controls that may be setup to control other functions. Review Controls Setup Page (see "Controls Setup" in CommandCenter™ of this operator's manual) to verify function of each control.

*NOTE: Joystick allows operator to assign device with various tractor or implement functions. This process is called "**Assignment**" input to function. See "Controls Setup" in CommandCenter™ section of this Operator's Manual for more information.*

Only joystick (front to back and side to side movements) and rocker switch can be reconfigured.

A— Joystick (If Equipped) C— Joystick Lock Button
B— Joystick Buttons D— Joystick Rocker Switch
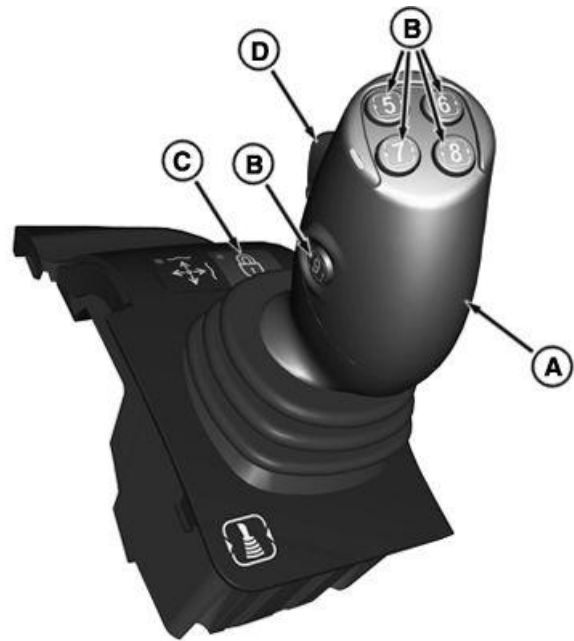
Joystick

RXA0133735 —UN—17JUL13

Controls Setup Icon

CommandCenter is a trademark of Deere & Company

RD47322,000015E -19-05SEP13-1/1

CommandARM™ Hitch Controls (If Equipped)

Only used for rear hitch.

A—Rear Hitch Command Lever (If Equipped)*
B—Front Hitch Command Lever (If Equipped)
C—Set Button*
D—Lock Button*
E—Return to Lower Set Point*
F—Depth Adjust Hitch Dial*
G—Drop Rate Hitch Dial*
H—Upper Limit Hitch Dial*
I— Load Depth Hitch Dial*

Hitch Controls

RD47322,000015D -19-08AUG13-1/1

CommandARM™ SCV Controls

*NOTE: Reconfigurable SCV Controls allows operator to match device with various implement functions. This process is called "**Assignment**" input to function. See "Controls Setup" in CommandCenter™ section of this Operator's Manual for more information.*

SCV Lock button locks out control inputs to SCV Levers and Front Hitch Lever only.

Controls Setup Icon appears around SCV that can be reconfigured at any time.

A—SCV 1 Control Lever
B—SCV 2 Control Lever
C— SCV 3 Control Lever
D— SCV 4 Control Lever
E—SCV 5 Control Lever

F— Front Hitch Midstack/ SCV 14
G— SCV 15Control Lever (If Equipped)
H— SCV 6 Control Lever (If Equipped)
I— SCV Lock Button/ISB Lock Button

RXA0133735 —UN—17JUL13

RXA0133693 —UN—19JUL13

Controls Setup Icon

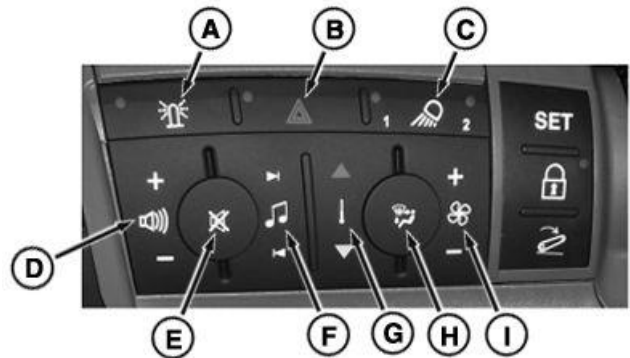*CommandCenter is a trademark of Deere & Company*

RD47322,000015C -19-06SEP13-1/1

CommandARM™ Climate, Radio, and Lighting Controls

A—Beacon Lights Button
B—Hazard Lights Button
C—Field Lights 1 and 2 Toggle Button
D—Radio Volume
E—Radio Mute Button

F—Radio Scan
G—Temperature Control
H—Air Flow Control
I— Fan Control

RXA0134356 —UN—31JUL13

Climate Controls and Radio Controls

RD47322,000015B -19-30JUL13-1/1

CommandARM™ PTO Controls

A—Front PTO (If Equipped)   B—Rear PTO (If Equipped)

RXA0134357 —UN—31JUL13

PTO Controls Formation

RD47322,000015A -19-30JUL13-1/1

CommandARM™ Left Side Controls

A—Speed Control Lever/Shift
   Lever
B—SCV Control Lever Lock
C—AutoTrac™ Resume Button
D—iTEC™ 1 Button
E—iTEC™ 2 Button
F—iTEC™ 3 Button
G—iTEC™ 4 Button
H—MFWD Button

I— Diff Lock Button
J— Auto Diff Lock Button
K—Auto MFWD Button
L— Hand Throttle Control
M—ECO ON/OFF Button
N—Foot Pedal Lock/Unlock
   Button
O—FieldCruise™ ON/OFF
   Button
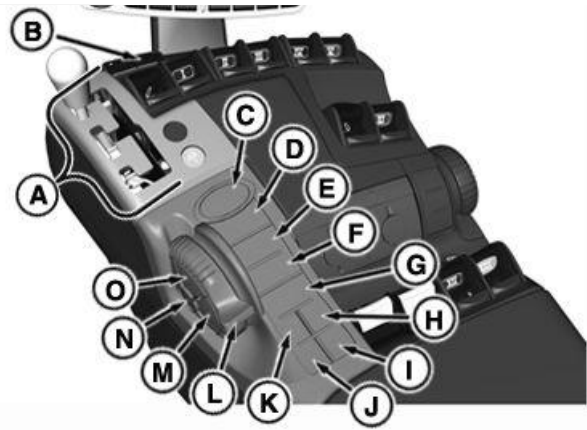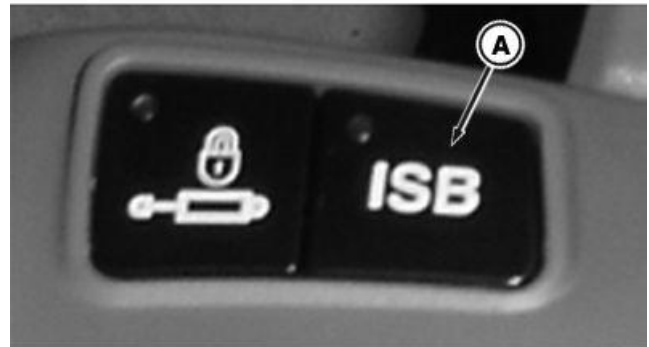

CommandARM™ Controls — Center Left

CommandARM is a trademark of Deere & Company
AutoTrac is a trademark of Deere & Company
iTEC is a trademark of Deere & Company
FieldCruise is a trademark of Deere & Company

RD47322,0000159 -19-03SEP13-1/1

CommandARM™ ISOBUS (ISB) Shortcut Button

NOTE: In an ISOBUS-system an operator can activate a function of an implement over ISOBUS via Implement's Operator Interface on display (see Connecting ISO Implements and ISO Display Options in CommandCenter™ section of Operator's Manual). After activation, operator can change screen of display in order to operate another implement or interact with other applications. Deactivation of functions on first implement is not possible unless operator manually switches back to the according screen of first implement. ISB shall provide a direct method to inform all ISOBUS participants about operators desire to deactivate functions that was activated by an ISOBUS control.

ISB/ISOBUS Button (A): Pressing the ISB button sends a "Stop All Implement Operations" signal out on the ISOBUS while button is pressed. The reaction on ISB is proprietary to the receiving control unit.

CommandARM is a trademark of Deere & Company
CommandCenter is a trademark of Deere & Company
Tractor Implement Automation is a trademark of Deere & Company

CommandARM™ ISB Shortcut Button

A—ISB/ISOBUS Button

An example: Implement currently using ISOBUS Class 3 automation (see Tractor Implement Automation™ section of Operator's Manual) is going to its safe state.

SV81855,000008F -19-30JUL13-1/1

Accelerator Pedal (If Equipped)

Foot operated throttle controls engine or ground speed dependent on tranmission mode. Depress accelerator (A) to increase engine rpm or wheel speed.

A—Accelerator Pedal

RD47322,0000157 -19-30JUL13-1/1

External Switches

⚠ CAUTION: To prevent injury or damage caused by tractor movement, be sure transmission is in PARK position before using external raise/lower switches. Stay clear of interference points when using external raise/lower switches.

Tractors without fender extensions have external hitch raise and lower switches (A) mounted on valve stack.

Tractors with optional fender extensions may have optional raise (C) and lower switches (D) on rear fenders. SCV III extend (A) and retract (B) switches are available for hydraulic center link. External rear PTO switch (E) is also available.
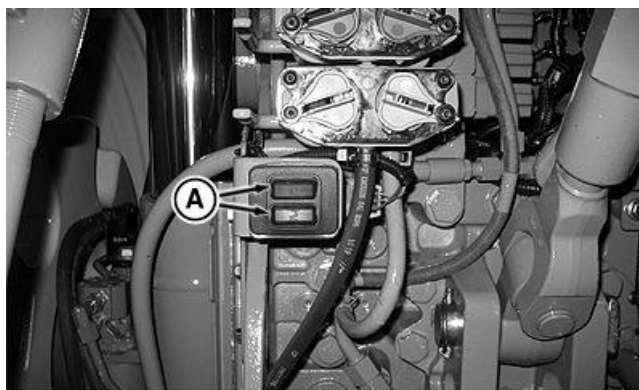
SCV Stack Mounted Rear Hitch Raise/Lower Switches

A—Hitch External Stack
    Mounted Switch

RD47322,0000158 -19-05SEP13-1/2

Front hitch and front PTO equipped tractors may also be equipped with front mounted external switches. Tractors equipped with front hitch may have external raise (F) and lower switches (G). Tractors with front PTO may have external front PTO switch (H).

A—Rear SCV Extend Switch (If Equipped)
B—Rear SCV Retract Switch (If Equipped)
C—Rear Hitch Raise Switch
D—Rear Hitch Lower Switch
E—External Rear PTO Switch (If Equipped)
F—Front Hitch External Raise Switch
G—Front Hitch External Lower Switch
H—External Front PTO Switch (If Equipped)
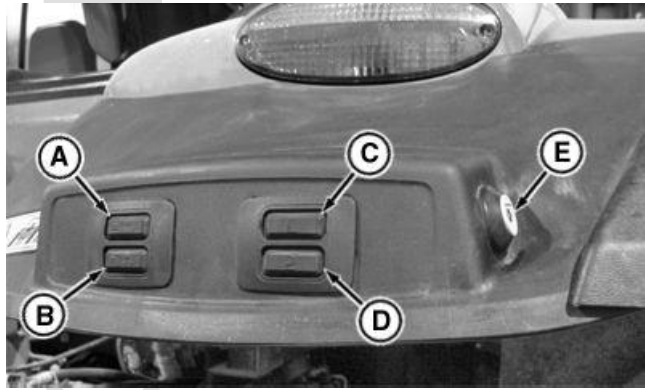
Fender Mounted Rear Hitch Switches

RXA0108234 —UN—28JUN10
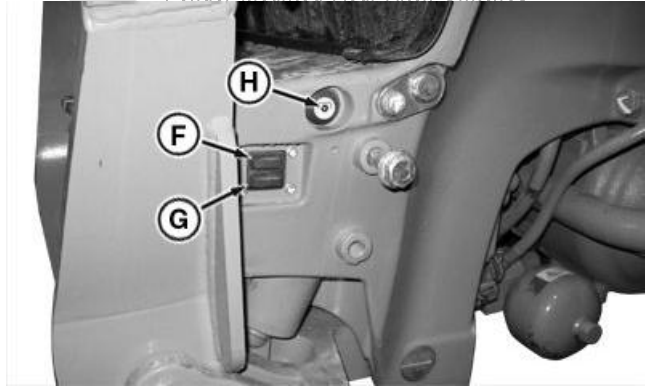
Front Hitch Raise/Lower Switches

RXA0109659 —UN—23AUG10

RD47322,0000158 -19-05SEP13-2/2

CommandCenter™

Onscreen Help

PC15300 —UN—19MAR13

Generation 4 CommandCenter™ displays are equipped with detailed help information in the software. Onscreen help is available in Help Center (found in display menu) or by pressing Information (i) buttons at the top of most pages. Information buttons link directly to help information for that page. Reading both the operator's manual and onscreen help information is recommended.

Generation 4 CommandCenter is a trademark of Deere & Company

Help Center Application & Information Button

HC94949,00002A6 -19-26AUG13-1/1

Generation 4 CommandCenter Display

The John Deere Generation 4 CommandCenter™ is designed for maximum ease of use and productivity. One software system provides commonality while hardware options provide a range of price and functionality. The CommandCenter display is attached to the CommandARM™. There are 7 and 10 inch display options available.

NOTE: Software in Generation 4 CommandCenter is on processor, not display.

7 Inch CommandCenter Display

• Run Page Modules same as 10 inch display
• Shortcut Keys must be expanded to view.

10 Inch CommandCenter Display

• Title Bar displays currently viewed Run Page
• Large Status Center provides more information
• Shortcut Keys are always visible.

PC17418 —UN—08AUG13

7 Inch Display

PC17419 —UN—08AUG13

10 Inch Display

CommandCenter is a trademark of Deere & Company
CommandARM is a trademark of Deere & Company

HC94949,00003A3 -19-26AUG13-1/1

Generation 4 CommandCenter Processor

Generation 4 CommandCenter software runs on a processor separate from the display. There are two processor options available.

NOTE: Maximum capabilities for each processor are listed. Depending on machine configuration, some functions may not be available.

4600 Processor

- 4 Video Camera Inputs
- 4 USB Inputs
- 2 Display Outputs
- Upgradable for future applications

4600 Processor Wi-Fi Capabilities

The CommandCenter 4600 processor contains a non-enabled wireless (Wi-Fi) transmitter. Hardware is present to enable future functionality.

FCC Part 15.21 Statement:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

PC15299 —UN—18MAR13

4600 and 4100 Processors

A—4600 Processor   **B—4100 Processor**

4100 Processor

- 1 Video Camera Input
- 1 USB Input
- 1 Display Output

HC94949,00002A8 -19-26AUG13-1/1

Main Menu

Selecting Main Menu button lists all applications installed on display and machine. Select left-hand tabs to view different groups of applications.

NOTE: Available applications may vary depending on machine configuration.

PC17269 —UN—15JUL13

Main Menu Button

CZ76372,0000648 -19-26AUG13-1/1

Run Page Structure

**Main Menu** (A) lists all applications installed on display and machine.

Shortcut softkeys (B) provide quick access to frequently used applications and functions. On 7 in. display, select expand button to display shortcut softkeys.

Run Page Navigation buttons (C) cycle through multiple run pages. See Layout Manager for more information.
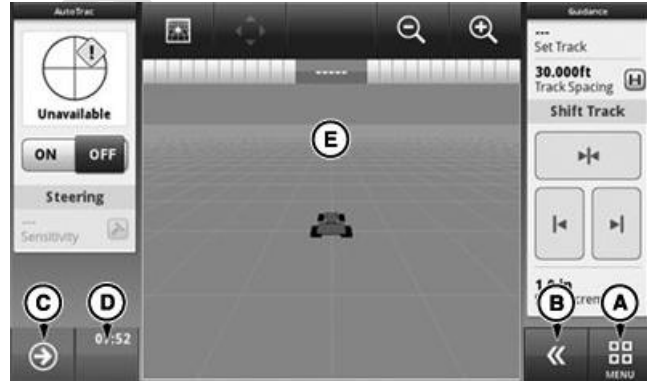
Select the area indicated (D) to display **Status Center**. Important information for display functions is highlighted, such as GPS signal strength and available data storage.

Run page (E) is configured using Layout Manager application. See Layout Manager for more information.

Only on 10 in. display, press **title bar** (F) to display **Run Page Selection** page. Choose desired run page from list of available pages. See Layout Manager for more information.

A—Main Menu
B—Shortcut Softkeys
C—Run Page Navigation
    Buttons
D—Status Center
E—Run Page
F—Title Bar/Run Page
    Selection
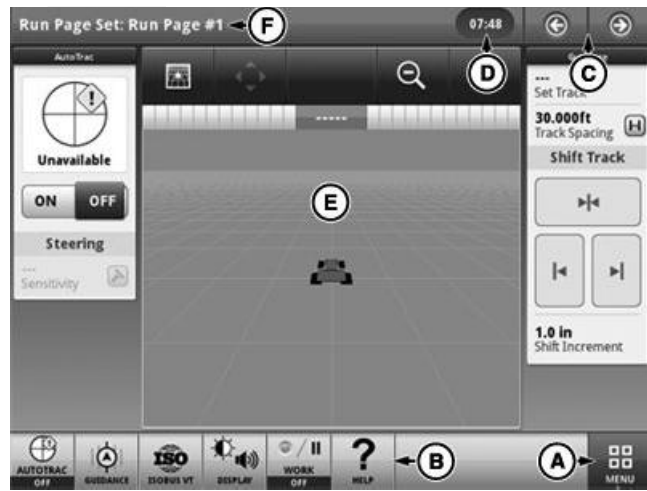
10 Inch Display Run Page

7 Inch Display Run Page

CZ76372,0000649 -19-26AUG13-1/1

Operating System Applications Overview

PC15302 —UN—19MAR13

Operating System applications package is installed at the factory, and is updated with periodic software updates from John Deere. These applications are used for basic functions of display.

HC94949,00003A4 -19-05SEP13-1/17

Date and Time

PC16674 —UN—18MAR13

- Information from Date and Time application is used for several important functions on system. These include error logging, activations, and data recording.
- Date and time are set automatically if a GPS receiver is connected and receiving valid signal. In this case, only set time zone.
- It can be found on System tab of the display menu.

Date and Time

    HC94949,00003A4 -19-05SEP13-2/17

Diagnostics Center

- Diagnostics Center is the one place to find diagnostics for the entire system.
- It can be found on System tab of the display menu.

PC17272 —UN—17JUL13

Diagnostics Center

HC94949,00003A4 -19-05SEP13-3/17

Display and Sound

- Along with display brightness and volume, Display and Sound can be used to calibrate display and configure multiple displays.
- It can be found on System tab of the display menu.

PC16685 —UN—18MAR13

Display and Sound

HC94949,00003A4 -19-05SEP13-4/17

File Manager

- Data and setup information can be transferred between displays or compatible desktop software using a USB drive.
- It can be found on System tab of the display menu.

PC16671 —UN—18MAR13

File Manager

HC94949,00003A4 -19-05SEP13-5/17

Language and Units

- Use Language and Units application to change Language, Number Format, and Units of Measurement.
- It can be found on System tab of the display menu.

PC16677 —UN—18MAR13

Language and Units

HC94949,00003A4 -19-05SEP13-6/17

Software Manager

- Use Software Manager to update software, activate features, and install onscreen help packages.
- It can be found on System tab of the display menu.

PC15346 —UN—11JUL13

Software Manager

HC94949,00003A4 -19-05SEP13-7/17

Users & Access

- Users & Access manages user profiles and locks users out of certain settings.
- It can be found on System tab of the display menu.

PC17262 —UN—12JUL13

Users & Access

HC94949,00003A4 -19-05SEP13-8/17

090613
PN=61

Controls Setup

PC15326 —UN—08JUL13

- Configures an ISOBUS or tractor joystick to control tractor or implement functions.
- It can be found on Applications tab of the display menu.

Controls Setup

HC94949,00003A4 -19-05SEP13-9/17

Fields

PC17260 —UN—11JUL13

- Field names are used to organize information so it is easier to find and use data, such as guidance lines.
- Use Fields application to setup Clients, Farms, and Fields
- It can be found on Applications tab of the display menu.

Fields

HC94949,00003A4 -19-05SEP13-10/17

Help Center

PC16684 —UN—18MAR13

- Onscreen Help about each application and more is available in Help Center.
- Not all Help languages are installed at the factory. Update display software to install Help for all supported languages.
- It can be found on System tab of the display menu.

Help Center

HC94949,00003A4 -19-05SEP13-11/17

Implement Profiles

PC16672 —UN—18MAR13

- Implement Profiles allows operator to configure Implement Connection Type, Working Width, Dimensions, and Recording Triggers.
- It can be found on Applications tab of the display menu.

Implement Profiles

HC94949,00003A4 -19-05SEP13-12/17

ISOBUS VT

PC16682 —UN—18MAR13

- Monitor and control ISOBUS 11783 compatible controllers and implements.
- It can be found on Applications tab of the display menu.

NOTE: Only one ISOBUS controller can be viewed at a time. If more than one controller is connected, select Menu button within ISOBUS VT to view a list of controllers to choose from.

ISOBUS VT

PC15293 —UN—18MAR13

ISOBUS VT Menu

HC94949,00003A4 -19-05SEP13-13/17

Layout Manager

PC16678 —UN—18MAR13

- Use Layout Manager to create and modify run pages so important information and functions can be accessed from the main page.
- It can be found on Applications tab of the display menu.

Layout Manager

HC94949,00003A4 -19-05SEP13-14/17

Machine Monitor

PC15318 —UN—16MAY13

- Machine Monitor displays machine specific performance values.
- It can be found on Applications tab of the display menu.

Machine Monitor

HC94949,00003A4 -19-05SEP13-15/17

Machine Profiles

PC16679 —UN—18MAR13

- Machine Profiles allow operator to configure GPS offsets and machine dimensions.
- It can be found on Applications tab of the display menu.

Machine Profiles

HC94949,00003A4 -19-05SEP13-16/17

Work Monitor

PC15317 —UN—16MAY13

- Work Monitor displays averaged and totaled machine and operation specific values.
- It can be found on Applications tab of the display menu.

Work Monitor

HC94949,00003A4 -19-05SEP13-17/17

AMS Applications Overview

PC15301 —UN—19MAR13

AMS Applications package is installed at factory, but requires an activation to enable functionality. These applications are installed and updated in packages separate from the Generation 4 Operating System.

AMS Applications Package

HC94949,000038C -19-26AUG13-1/2

Guidance

PC16676 —UN—18MAR13

- The Guidance application is used for steering machines through the field along guidance tracks. This can be done manually or automatically using AutoTrac™ .
- It can be found on Applications tab of the display menu.

Guidance

AutoTrac is a trademark of Deere & Company

HC94949,000038C -19-26AUG13-2/2

Automation Status Overview

RXA0135012 —UN—12AUG13

- Use Automation Status application to see which tractor functions are being controlled and their current status.
- It can be found on Application tab of display menu.

KT81203,00000A1 -19-15AUG13-1/1

Tractor Settings Overview

RXA0135013 —UN—12AUG13

Tractor Settings tab allows selection of application main pages. Available applications vary depending upon tractor configuration.

Tractor Settings

KT81203,0000058 -19-05SEP13-1/13

Audio

RXA0134978 —UN—07AUG13

- Use Audio application to adjust audio settings.
- For more information see Operating the Radio section of this Operator's Manual.

Audio

KT81203,0000058 -19-05SEP13-2/13

Engine

RXA0134955 —UN—07AUG13

- Use engine application to adjust exhaust filter system settings, FieldCruise™ settings, or engine rpm.
- For more information see Operating the Tractor and Operating the Engine sections of this Operator's Manual.

FieldCruise is a trademark of Deere & Company

Engine

KT81203,0000058 -19-05SEP13-3/13

HVAC

RXA0134979 —UN—07AUG13

- Use HVAC application to adjust heating, ventilation, and air conditioning settings.
- For more information see Controls and Instruments section of this Operator's Manual.

HVAC

KT81203,0000058 -19-05SEP13-4/13

iTEC™

RXA0134980 —UN—07AUG13

- Use iTEC™ application to program and repeat common tasks.
- For more information see iTEC™ section of this Operator's Manual.

iTEC is a trademark of Deere & Company

iTEC™

KT81203,0000058 -19-05SEP13-5/13

Lights

RXA0134956 —UN—07AUG13

- Use Lights application to adjust lights settings.
- For more information see Lights section of this Operator's Manual.

Lights

KT81203,0000058 -19-05SEP13-6/13

Maintenance and Calibrations

RXA0134981 —UN—07AUG13

- Use Maintenance and Calibrations application to add/edit service intervals and perform ground radar and slip zeroing calibrations.

Maintenance and Calibrations

KT81203,0000058 -19-05SEP13-7/13

Phone

RXA0134982 —UN—07AUG13

- Use Phone application to make/receive calls through CommandCenter™.
- For more information see Operating the Radio section of this Operator's Manual.

CommandCenter is a trademark of Deere & Company

Phone

KT81203,0000058 -19-05SEP13-8/13

PTO

RXA0134957 —UN—07AUG13

- Use PTO application to adjust PTO settings.
- For more information see Drawbar and PTO section of this Operator's Manual.

PTO

KT81203,0000058 -19-05SEP13-9/13

090613

Rear Hitch

RXA0134958 —UN—07AUG13

- Use Rear Hitch application to adjust rear hitch settings.
- For more information see Hitch section of this Operator's Manual.

Rear Hitch

KT81203,0000058 -19-05SEP13-10/13

SCV

RXA0134983 —UN—07AUG13

- Use SCV application to adjust SCV setting.
- For more information see Hydraulics and Selective Control Valve section of this Operator's Manual.

SCV

KT81203,0000058 -19-05SEP13-11/13

Suspension

RXA0134976 —UN—07AUG13

- Use Suspension application to adjust suspension settings.
- For more information see Operating the Tractor section of this Operator's Manual.

Suspension

KT81203,0000058 -19-05SEP13-12/13

Transmission

RXA0134984 —UN—07AUG13

- Use Transmission application to adjust transmission settings.
- For more information see appropriate transmission section of this Operator's Manual.

Transmission

KT81203,0000058 -19-05SEP13-13/13

Navigate Generation 4 CommandCenter™

NOTE: Images are reference and may differ by tractor configuration or operator settings. As operator pages through CommandCenter™, more in-depth information is presented, allowing operator to fine tune tractor functions.

Navigating CommandCenter™ Pages

Use Touch Screen CommandCenter™ buttons or icons to make selection. For input boxes use either key pad, or select input box and scroll adjustment dial (C) to desired value. Yellow highlight box appears around selected input box and indicates adjustment dial is active.

A—CommandCenter attached to CommandARM™ (B), allows operator to view selected pages required to operate tractor. Display is Touch Screen, allowing operator to touch options on screen to move through pages and access tractor functions

B—CommandARM™ is made up of buttons, joystick (if equipped), switches, and shortcuts allowing operator to manage tractor or implement functions.

C—Adjustment Dial/Close Button allows operator to change values in input boxes. Rotating adjustment dial clockwise raises input box values. Rotating adjustment dial counterclockwise lowers input box values. Push button one time to close window. Push and hold to close all open windows.

D—Shortcut Keys allow operator to access specific functions without going through CommandCenter™ menu.

E—Run Page Modules are areas allowing quick access to functions.

F—Title Bar can be selected on any run page for drop down bar to change run page.

G—Menu lists all applications installed on display and machine. Select left hand tabs to view different groups of applications.

H—Help Button is accessed by pressing title bar to view help for page when available.

I—Advanced Settings Button is accessed by pressing title bar to edit additional settings when available

J—Close Button is pressed to close current page

K—Increase/Decrease Value Buttons are used to change value within input boxes. Use ++ and - - buttons to make larger incremental changes when adjusting value, rather than touching + or - buttons. For areas that require tighter adjustments, only + and - buttons are available
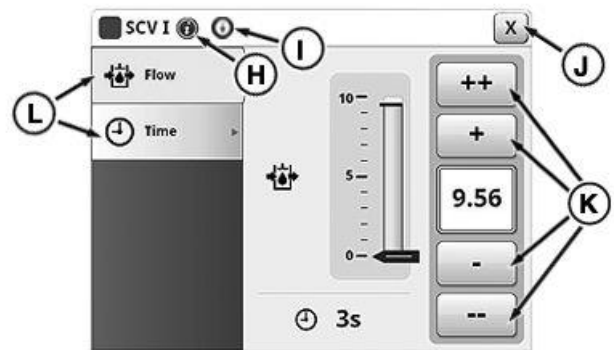
CommandCenter is a trademark of Deere & Company
CommandARM is a trademark of Deere & Company
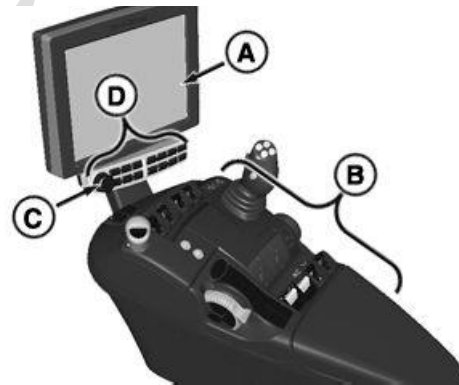
CommandCenter™ and CommandARM™
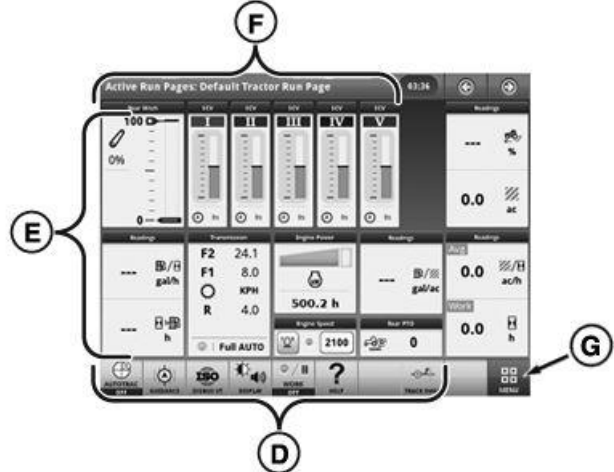
Run Page

Module Functions

L—Tabs allow operator to change to different section topic.

KT81203,0000056 -19-04SEP13-1/1

Activating System

Speed with which display system activates will vary, depending upon how recently tractor has been used. There are two types of startups:

• **Warm startup** occurs when display has operated in last 24 hours and has NOT lost unswitched power.

• **Cold startup** occurs when display has not operated in last 24 hours or has lost unswitched power. Cold startup takes longer than warm startup for display to power up (approximately 30 seconds).

Navigate Run Pages on Main Page

If more than one run page is in Active Set, there are multiple ways to choose which run page is displayed on main page.

Title Bar

Select title bar at top of main page to display a list of all run pages that are in Active Set. Choose a run page to return to main page.

Navigation Arrows

Select either left or right arrows to cycle through run pages.

Finger Swipe

Swipe finger across display, left and right, to cycle through run pages.

CommandCenter Shortcut Button

Select right arrow below display in CommandCenter Navigation Bar.

PC15345 —UN—10JUL13

PC15344 —UN—10JUL13

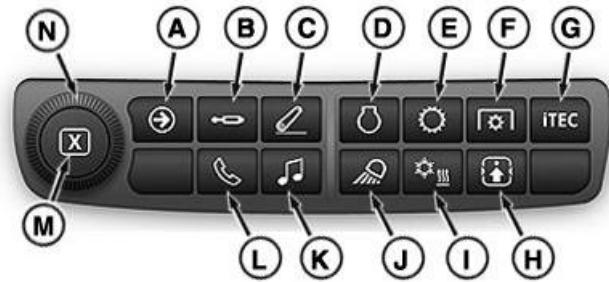A—Left/Right Navigation Arrows
B—Finger Swipe
C—CommandCenter Shortcut Button

Shortcut Buttons

Generation 4 CommandCenter™ navigation bar shortcut buttons allow operator direct access to specific applications.

NOTE: If CommandCenter™ is not responding, reset by holding down Next Run Page button (A) and button below (no icon) for five seconds. If resetting CommandCenter™ does not resolve issue, contact John Deere™ dealer.

A—Next Run Page
B—SCV
C—Rear Hitch
D—Engine
E—Transmission
F—PTO
G—iTEC

H—Controls Setup
I— HVAC
J— Lights
K—Audio
L—Phone
M—Close Button
N—Adjustment Dial

RXA0132501 —UN—15MAY13

Gen 4 CommandCenter™ Navigation Bar

CommandCenter is a trademark of Deere & Company
John Deere is a trademark of Deere & Company

Navigate to Display & Sound

RXA0135345 —UN—30AUG13

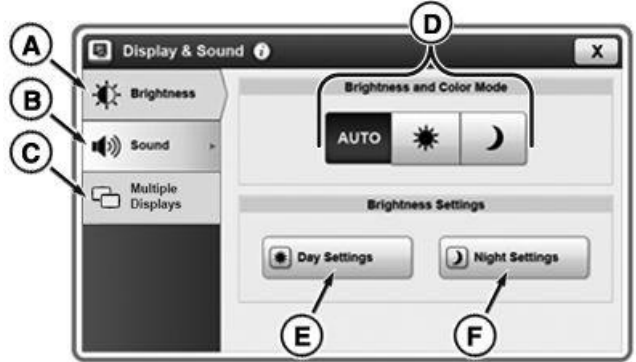1. Select **Menu.**

2. Select **System tab.**

3. Select **Display & Sound icon.**

   A—Brightness Tab
   B—Sound Tab
   C—Multiple Displays Tab
   D—Auto/Day/Night Mode Toggle Bar
   E—Day Settings
   F—Night Setting

Menu → System Tab → Display & Sound Icon

Display & Sound Main Page

RXA0135169 —UN—30AUG13

KT81203,0000061 -19-30AUG13-1/1

Display & Sound

PC16685 —UN—18MAR13

Display & Sound application adjusts display brightness and volume level.

If multiple displays are connected, use this application to configure which functions appear on each display.

If screen touches do not register in correct location, use Touchscreen Calibration to realign screen.

Navigate to Display & Sound

1. Select Menu.

2. Select System tab.

3. Select Display & Sound application.

CZ76372,0000622 -19-17JUL13-1/1

Brightness

PC15319 —UN—20MAY13

Brightness and Color Mode

• *Auto Mode*

Auto Mode is recommended setting. This synchronizes display brightness with cab light switch. If cab lights are off, display is in Day Mode. If cab lights are on, display is in Night Mode.

A—Day Mode   B—Night Mode

• *Day and Night Modes*

Select either mode to prevent display brightness from synchronizing with cab light switch.

NOTE: *The mode selected does not adjust brightness of a second display. Adjust brightness of that display through its settings.*

Continued on next page

CZ76372,0000621 -19-08AUG13-1/2

Brightness Settings

PC15320 —UN—20MAY13

Select either settings button to display a popup page for corresponding brightness mode.

Depending on mode selected with settings button, adjust display and cab brightness by using plus (**+**) and minus (**-**) buttons.

PC15321 —UN—20MAY13

A—Day Settings
B—Night Settings
C—Display Brightness
D—Cab Brightness

CZ76372,0000621 -19-08AUG13-2/2

Sound

PC15322 —UN—20MAY13

Change display volume by selecting increase (**+**) or decrease (**-**) buttons.

Display Volume

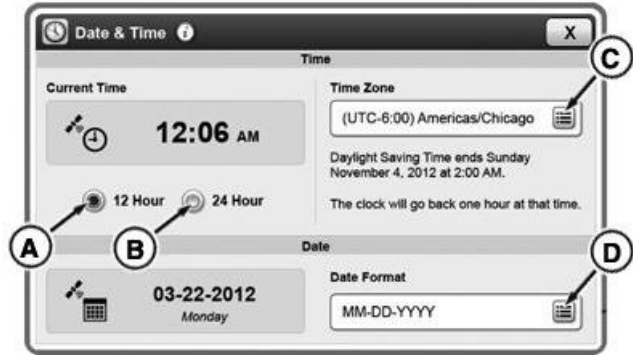CZ76372,0000623 -19-09JUL13-1/1

Navigate to Date & Time

1. Select **Menu.**

2. Select **System tab.**

3. Select **Date & Time Icon.**

A—12 Hour Time Format
   Button
B—24 Hour Time Format
   Button
C—Time Zone Input Field
D—Date Format Input Field

E—Time Input Boxes
F—AM/PM Input Box
G—Date Input Boxes

RXA0126215 —UN—11JUN12

Menu → System Tab → Date & Time Icon

RXA0131038 —UN—25FEB13

Date & Time Page with GPS Sync Enabled

RXA0131113 —UN—01MAR13
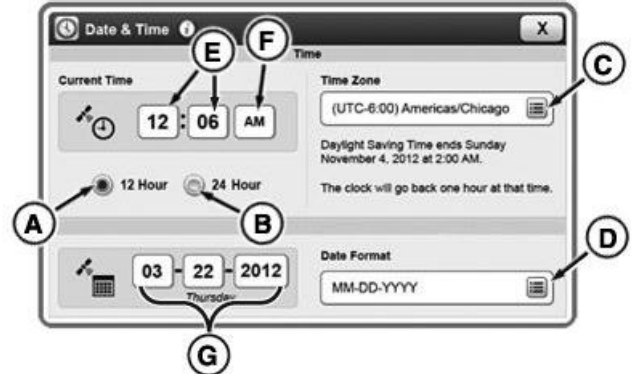
Date & Time Page with GPS Sync Disabled

KT81203,000008B -19-22AUG13-1/1

Date & Time Application

Information from Date and Time application is used for several important functions on system. These include error logging, activations, and data recording.

Date and time are set automatically if a GPS receiver is connected and receiving valid signal. In this case, only set time zone.

Current date and time can be found at any time by selecting Status Center at top of main run page.

NOTE: Date and Time setting affects how Guidance and Documentation data are filtered on display and desktop software.

PC15314 —UN—15MAY13

Navigate to Date & Time

1. Select Menu.

2. Select System tab.

3. Select Date & Time application.

CZ76372,0000619 -19-17JUL13-1/1

Change Current Date

Date can only be changed if GPS is not connected or GPS signal is not available. Otherwise, GPS signal determines date.

Date Format does not depend on GPS signal, and can be changed at any time.

1. Select day, month, or year.

2. Use keypad to enter correct value.

3. Select Done to apply changes or Cancel to return to previous page without applying changes.

Date Format

1. Select Date Format box.

PC15315 —UN—15MAY13

A—Date Set by User   B—Date Determined by GPS

2. Select desired date format from list.

3. Select Done to apply changes or Cancel to return to the previous screen without making changes.

CZ76372,000061A -19-09JUL13-1/1

Change Current Time

Current Time can only be changed if GPS is not connected or GPS signal is not available. Otherwise, GPS signal determines time.

Time Zone and Time Format do not depend on GPS signal, and can be changed at any time.

1. Select hour or minute.

2. Use keypad to enter correct value.

3. Select Done to apply changes or Cancel to return to previous page without applying changes.

Time Zone

1. Select a continent or ocean and select Next.

2. Select a country and select Next.

PC15316 —UN—15MAY13

A—Time Set by User   B—Time Determined by GPS

3. Select a time zone and select Next.

4. Confirm selected time zone and select OK.

Time Format

Use radio button to select 12 Hour or 24 Hour time format.

CZ76372,000061B -19-17JUL13-1/1

Navigate to Language & Units

1. Select **Menu.**

2. Select **System tab.**

3. Select **Display & Sound icon.**

   A—Language button
   B—Numeric Format button
   C—Units of Measurement
      button

   D—Cancel button
   E—Save button

RXA0126213 —UN—17MAY12

Menu → System Tab → Language & Units Icon

Language & Units Page

RXA0132009 —UN—23APR13

KT81203,0000066 -19-23AUG13-1/1

Language & Units

Language & Units is used to change Language, Number Format, and Units of Measurement.

Different settings can be created for both the display and for controllers that are displayed in ISOBUS VT. Select either tab to change settings.

Navigate to Language & Units

1. Select Menu.

2. Select System tab.

PC16677 —UN—18MAR13

3. Select Language & Units application.

CZ76372,0000627 -19-17JUL13-1/1

Language & Units Settings

Display

Select Language, Number Format, and Units of Measurement from list boxes.

ISOBUS VT

It is possible for controllers that display in ISOBUS VT to have different units of measure than rest of display. Remove check from *"Use Same Units of Measure as Display"* to enable list boxes for:

• Number Format

• Distance
• Area
• Volume
• Mass
• Temperature
• Pressure
• Force

Saving Settings

After new settings are selected, select Save button. Display must reboot to apply changes.

CZ76372,0000628 -19-17JUL13-1/1

Changing Pages and Values

Various methods are provided to allow selection and modification of CommandCenter™ pages and values.

- **A—Section Tab:** To change to different section topic, click desired section tab.
- **B—Icons:** Select to open application.
- **C—Bar Graph:** To change value, use increase (+) or decrease (-) buttons.
- **D—Slider Graph:** To change value, select slider graph module and use increase (+) or decrease (-) buttons.
- **E—Input Box:** Use increase (+) or decrease (-) buttons to adjust value. To enter new values or text, select desired input box.

NOTE: When changing values using adjustment dial, increasing speed of adjustment dial rotation increases speed of value changes..

If a large range of values is available a numeric keypad appears, allowing direct input of desired value.

CommandCenter is a trademark of Deere & Company
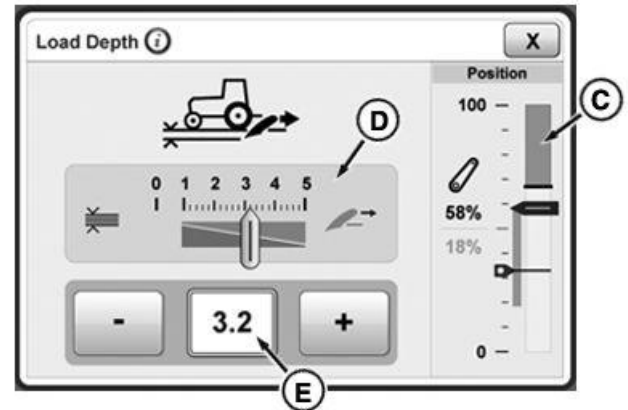
Input Fields

RXA0133414 —UN—27JUN13

Input Fields

RXA0130123 —UN—23APR13

KT81203,000005B -19-29AUG13-1/1

Generation 4 CommandCenter™ Status Center

Status Center is found in top region on 10 inch display or bottom left region on 7 inch display.

RXA0133422 —UN—27JUN13

Status Center functions:

- **A—Date & Time:** Adjust date and time.
- **B—Data Storage:** View data usage.

10 Inch Display Top Region Status Center Icon

RXA0133349 —UN—27JUN13

7 Inch Display Bottom Left Status Center Icon

Status Center

KT81203,000005C -19-04SEP13-1/1

Navigate to Mutiple Displays

RXA0130611 —UN—21FEB13

⚠ **CAUTION: Implement Detected**

Improper operation can cause unintended implement movement.

To avoid death or serious injury to a bystander, understand how this display operates the functions of the implement.

Read and understand the Implement Operator's Manual.

Message occurs when system detects an ISOBUS implement. For more information, read Operator Manuals for ISOBUS Implements..

In some cases it may be necessary to operate with more than one ISO terminal display. Configure CommandCenter™ to recognize and operate in conjunction with a second ISO display.

1. Select **Menu**

2. Select **System tab**.

3. Select **Display and Sound icon**.

4. Select **Multiple Displays tab**

CommandCenter is a trademark of Deere & Company

Menu → System Tab → Display and Sound Icon→ Multiple Displays Tab

RXA0134343 —UN—01AUG13
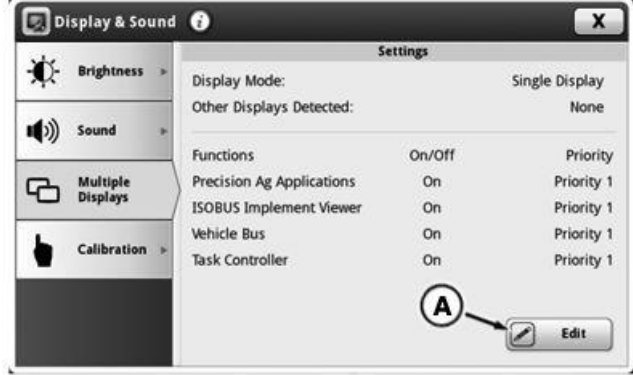
Multiple Displays Page

A—Edit Button

KT81203,0000069 -19-04SEP13-1/1

Multiple Displays

Generation 4 CommandCenter may be configured to run with the following John Deere displays connected at cornerpost.

- Original GreenStar Display (without Mobile Processor)
- GS2 1800
- GS2 2600
- GS3 2630

Some applications, such as AutoTrac, cannot run on both displays at the same time.

Activations do not transfer between displays automatically. They may only be moved using the transfer process on StellarSupport.com.

Installing a GS2 or GS3 Display

1. Ensure ignition key and CommandCenter are OFF.

2. Attach display harness to corner post connector and 26-pin display connector to back of display.

3. Turn ignition key ON.

4. CommandCenter display searches for second display on Implement CANBUS for approximately 90 seconds. If CommandCenter was previously in Single Display Mode, it displays a message stating, "Multiple Displays Detected".

5. Select a configuration preset:

   Single Display

   - Do NOT use this option in this scenario. This should only be used if second display is not installed.

   Multiple – Compatibility Mode

   - ISOBUS Implements will only appear on second display, not CommandCenter.

   Multiple – Implement Viewer

   - ISOBUS Implements will appear on both second display and CommandCenter.

   Custom Setup

   - Manually set configurations.

PC15323 —UN—20MAY13

Multiple Displays

6. Cycle Ignition Key off and on to save settings.

Removing a GS2 or GS3 Display

1. Ensure ignition key and CommandCenter are OFF.

2. Detach display harness from 26-pin display connector at back of display.

3. Turn ignition key ON.

4. CommandCenter display searches for second display on Implement CANBUS for approximately 90 seconds. If CommandCenter was previously in one of the Multiple Display Modes, it displays a message stating, "Second Display Not Found".

5. Cycle Ignition Key off and on to save settings.

Installing an Original GreenStar Display

Original GreenStar display can be used for non-guidance functions, such as monitoring a SeedStar 1 planter.

NOTE: Mobile Processor is not compatible and should not be connected.

1. Ensure ignition key and CommandCenter are OFF.

2. Attach display harness to corner post connector and display connector.

3. Turn ignition key ON.

4. Ensure Tracking is OFF on Original Display. See Original Display manual for instructions.

IMPORTANT: Ensure tracking has not been turned on since last reprogram or reset of display memory.

To clear display memory, press and hold E, 2, and Clear buttons and reboot. This clears all data stored on display.

CZ76372,0000624 -19-17JUL13-1/1

Display Calibration

Touch Screen Calibration may be required if screen does not register a touch in a desired location. Touch screen is factory calibrated and should not need to be calibrated under normal service. If calibration does not resolve issue, contact a John Deere dealer.

1. Select Begin Calibration

2. A large "X" and instructions are provided to lead operators through calibration process.

3. Each time "X" is pressed, instructions change and "X" moves to another area of screen.

NOTE: If touch screen malfunctions, a USB mouse may be used. Connect mouse to display USB port.

CZ76372,0000625 -19-05SEP13-1/1

Software Manager

Use Software Manager to update software, activate features, and find software version details.

Navigate to Software Manager

1. Select Menu.

2. Select System tab.

3. Select Software Manager application.

Software Manager

Software Packages

Generation 4 display software and help files are organized into packages. Each package is listed individually on Installations and Updates tab and Version Information tab.

Generation 4 Operating System

• Contains display operating system and basic applications.
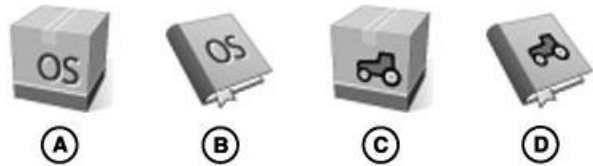
Generation 4 Operating System Help

• Contains help files for display applications

Tractor Applications

• Contains tractor software. A John Deere dealer with ServiceADVISOR is required to install package.

Tractor Applications Help

• Contains help files for tractor applications. Package may be installed without ServiceADVISOR.

A—Generation 4 OS
B—Generation 4 OS Help
C—Tractor Applications
D—Tractor Applications Help

NOTE: At this time, Generation 4 display will not update connected controllers, such as StarFire receivers.

Onscreen Help packages include each language that display supports.

Update Display Software

Determine Software Versions

Version numbers for all installed software packages are available in Version Information tab.

Download Software Updates

Software updates are available for download from www.stellarsupport.com.

1. Select Downloads and Updates

2. Choose Generation 4 Display updates

3. View release notes

USB Drive

4. Follow instructions available and utilize Software Manager utility to download software update files to a USB drive.

5. Once USB drive has latest software, take it to machine to install update.

Install Software Updates

1. Insert USB drive in to USB port in machine or on display.

2. When "USB Drive Options" page is displayed, select Install Software. This displays Installations & Updates tab of Software Manager.

3. Only software packages that are newer than what is currently installed are displayed. All packages are selected by default.

4. Select Install button. If an update does not start, follow the onscreen messages to resolve conflicts.
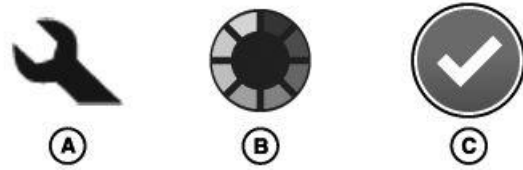
IMPORTANT: Do not remove power to display. Do not turn key. Do not remove USB drive.

5. A progress indicator displays percentage of each package that has been installed. A green check mark is displayed when package installs successfully.

6. Message displays when software update is finished. Some software packages require a reboot to finish installation. Select Reboot button to restart display.

Troubleshooting

When a software package fails to install, system rolls back all software to version before update started.

Record error message if software update fails. Remove files from USB drive, and reload software update to USB drive. Repeat software installation process.

If software update continues to fail, contact a John Deere dealer.

System Rollback

System rollback reverts all installations and updates that have occurred since selected date.

PC15349 —UN—11JUL13

A—Install Button   C—Install Successful
B—Progress Indicator

1. Select System Information tab.

2. Select System Rollback button.

3. Select Recent Updates input box.

4. Select desired software installation date and time. Select OK button.

NOTE: Dealer update identifies software related to a machine controller update. Cannot rollback to a version previous to a dealer update.

5. Select Rollback button to start System Rollback.

IMPORTANT: Do not remove power to display. Do not turn key.

6. A message is displayed if Rollback was successful.

7. Select Reboot button or display automatically reboots after 30 seconds.

CZ76372,000063F -19-08AUG13-2/2

Activations

Use this tab to manage activations on the display.

StellarSupport.com requires display serial number, challenge code, and may require a confirmation code in order to generate a code. Select Details button to find this information.

A single code may include multiple features, but it can perform only one type of action (activation or deactivation). For example, one code may activate three features, while a separate code would be needed to deactivate two features.

Enter Activation or Deactivation Code

1. Select Enter Code button.

PC15350 —UN—11JUL13

A—Details Button   B—Enter Code Button

2. Using keyboard, enter activation or deactivation code. Select OK button.

3. Record confirmation code, and enter code at StellarSupport.com.

CZ76372,0000640 -19-08AUG13-1/1

Remote Software Updates (If Equipped)

Service ADVISOR™ Remote (SAR) provides John Deere™ dealer technician or company person ability to update vehicle software remotely using John Deere™ telematics infrastructure. Service ADVISOR™ Remote User Interface on CommandCenter™ informs vehicle operator when new software is available for download or installation. Interface allows operator to accept or cancel software download. When software update has successfully downloaded, operator is able to initiate software installation. CommandCenter™ interface informs vehicle operator about programming status and final result.

1. Select **Status Center bar**.

2. Select **Software Download bar**.

Service ADVISOR is a trademark of Deere & Company

RXA0130622 —UN—05FEB13

Status Center Bar → Software Download Bar

3. When Software Updates page displays, operator can:

- Cancel download
- Download software
- Install software by following on-screen instructions

HC94949,00002BE -19-14MAY13-1/1

File Manager

Data and setup information can be transferred between displays or compatible desktop software using a USB drive. It is also important to backup data to a USB drive periodically.

NOTE: Data can be transferred to Apex and several third-party desktop applications. Update Apex or third-party desktop application if there are issues with transferring data.

Display internal memory is intended to have enough capacity to store all data from a machine per season. A message will appear when 90% of memory is used. Data should be exported and deleted before memory used exceeds 90%.

PC16671 —UN—18MAR13

File Manager

Navigate to File Manager

1. Select Menu.

2. Select System tab.

3. Select File Manager Application

CZ76372,0000646 -19-05SEP13-1/2

Import Data

Import data from USB drive. Use this option in the following examples:

• Import field names and guidance lines from another 2630 display or compatible desktop software.

NOTE: Choose GS3 2630 card format when exporting from Apex. To use lines from other Greenstar displays, unload lines in to Apex and then export in GS3 2630 card format.

If guidance lines are in the same field and created with the same tracking method, the display handles the following conflicts.

Different Name, Same Line

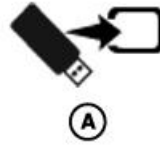If lines are the same, name of guidance line on display is replaced by name on USB drive.

Same Name, Different Line

If there are two different lines with the same name, line on USB drive is renamed when imported. For example, "Track1" is renamed "Track1(1)"
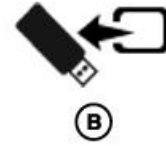
Export Data

Data is copied to USB drive. Use this option in the following examples:

PC17264 —UN—15JUL13

A—Import Data   **B—Export Data**

• Transfer guidance lines to another Gen 4 CommandCenter, GS3 2630, or compatible desktop software.
• Transfer setup information to another display or compatible desktop software.
• Transfer screen shots and log files to a USB drive.

Select guidance lines, screen shots, and log files for export. All data in each option is exported when selected.

Remove Data

Select "Delete files after transfer" check box to remove screen shot and error log files from display after they are exported to USB drive.

Guidance lines are not removed when check box is selected. Use edit option in AutoTrac Guidance application to remove guidance lines.
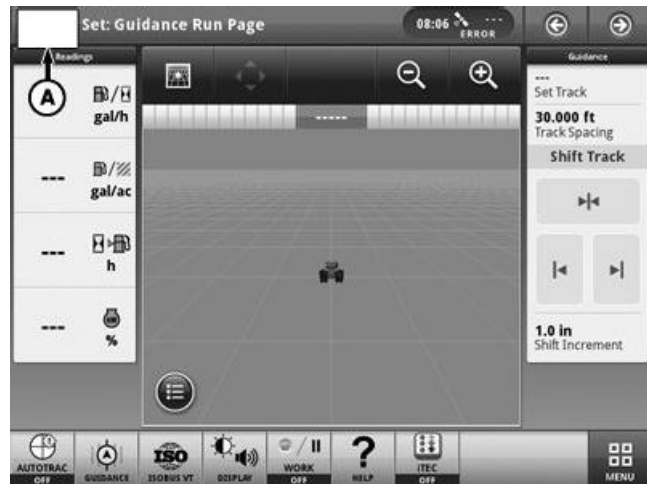
CZ76372,0000646 -19-05SEP13-2/2

Capture Screen Shots

Select area highlighted in top left corner of screen. Press and hold until screen flashes and display makes camera shutter sound.

Insert USB drive and select Export Data to transfer screen shots to drive.

  A—Screen Shot Area

PC17263 —UN—15JUL13

CZ76372,0000645 -19-26AUG13-1/1
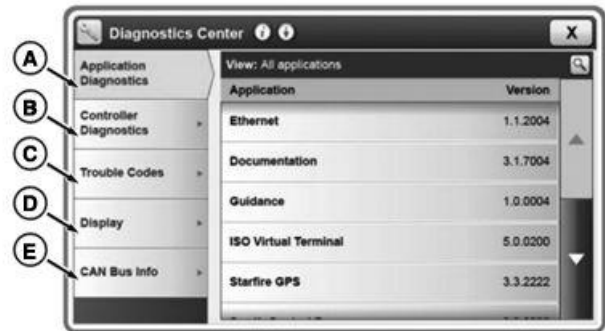
Navigate to Diagnostics Center

RXA0127110 —UN—11JUL12

1. Select **Menu.**

2. Select **System tab.**

3. Select **Diagnostics Center icon.**

   A—Application Diagnostics   D—Display
   B—Controller Diagnostics   E—CAN Bus Info
   C—Trouble Codes

Menu → System Tab → Diagnostics Center Icon

Diagnostics Center

RXA0130617 —UN—31JAN13

KT81203,0000062 -19-23AUG13-1/1

Diagnostics Center

Diagnostics Center is the one place to find diagnostics for the entire system. Select one of the tabs for more information.

PC17272 —UN—17JUL13

Controller Diagnostics

• Access Diagnostic Addresses, Trouble Codes, and Information specific to each device connected on CANBUS.

Trouble Codes

• View all active or stored Trouble Codes.

Readings

• View Diagnostic Readings for Processor, Monitor, and Display.

CANBUS Info

• View Diagnostic Information for each CANBUS.

Navigate to Diagnostics Center

1. Select Menu.

2. Select System tab.

3. Select Diagnostics Center application.

CZ76372,000061D -19-08AUG13-1/1

090613
PN=82

Controller Diagnostics

Controller Diagnostics displays the following information for controllers connected on CANBUS.

Device

- Each device in list is identified by Device ID, CAN Address, and CAN Network location.

Codes

- Indicates if device has trouble codes.

Message Count

- Number of CAN messages display has received from controller. Use zero button at bottom of page to reset message count for all devices.

Viewing and Sorting

Select button next to "**View by**" to change way controllers are displayed. Available views are:

All Devices

- All controllers connected to display are shown.

Implement BUS Devices

- Only controllers on Implement CANBUS are displayed.

Vehicle BUS Devices

- Only controllers on Vehicle CANBUS are displayed.

Select button next to "**Sort by**" to arrange list according to these filters.

Device

- List sorted by device ID.

Has Codes

- List sorted by if device has trouble codes.

CZ76372,0000632 -19-17JUL13-1/1

Diagnostic Mode

Select a controller from Controller Diagnostics list for more detailed information.

NOTE: Display is set to Diagnostic Mode when a controller is selected. Diagnostic Mode is removed when controller page is closed.

Diagnostic Addresses

IMPORTANT: Changing settings in Diagnostic Addresses may damage machine or implement controllers. Follow instructions, and use caution when changing address values.

Controllers have addresses that store values for different settings. Each Address is identified by an Address Number and Type. Data addresses can only be viewed (for example, software version information) while Input addresses can be edited (for example, calibration settings).

Trouble Codes

Current and stored codes for the selected controller are displayed. Select a code from list to view code details.

Controller Information

Controller Information displays detailed specifications and identification information from controller.

CZ76372,0000633 -19-08AUG13-1/1

Hide Diagnostic Center

Display is set to Diagnostic Mode once a controller is selected. Select Hide Diagnostic Center to minimize application and return to main page.

Hide button is useful for accessing another part of display during a calibration procedure. To return to the same diagnostic page, select Diagnostic Center application from menu.

NOTE: Leaving display in Diagnostic Mode is not recommended, because it can negatively affect performance.

PC15331 —UN—08JUL13

Hide Diagnostics Center

Remove Diagnostic Mode by closing controller page.

CZ76372,0000634 -19-22JUL13-1/1

Trouble Codes

PC15332 —UN—08JUL13

Trouble Codes displays all current and stored codes that have occurred on the system.

Select Refresh button to clear, and then retrieve all codes.

Select Clear Codes button to remove all codes from display.

A—Refresh button   B—Clear Codes button

CZ76372,0000635 -19-08AUG13-1/3

Viewing and Sorting

PC15333 —UN—09JUL13

Select button next to "**View by**" to change the way codes are displayed. Available views are:

Code

• View by "Code" lists all codes on display. Code Type, Details, Status, and Count are all displayed. Select a code from list to view Code Details.

Device

• View by "Device" lists all controllers on CANBUS. Device ID, CAN Network, and if device has codes are all displayed. Select a controller in list to view Device Codes.

A—Stop Alert   C—Info Alert
B—Service Alert

CZ76372,0000635 -19-08AUG13-2/3

Code Details

Select a trouble code to view code details.

A—Trouble Code Type   E—Code Status
B—Trouble Code Number   F—Count
C—Device ID   G—Trouble Code
D—CANBUS Network   H—Trouble Code Description
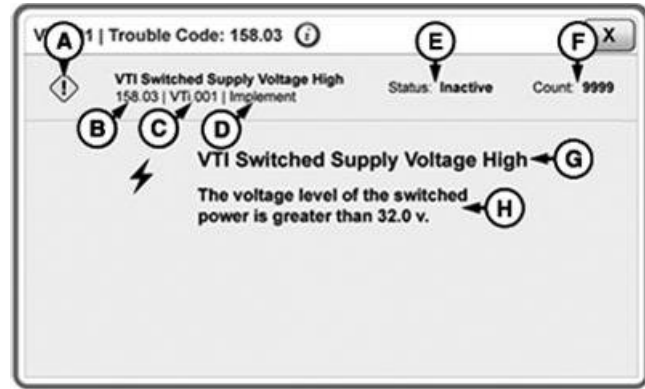
Code Details

PC15334 —UN—09JUL13

CZ76372,0000635 -19-08AUG13-3/3

Readings

The following information is available in Readings:

Hardware

- Displays and Server
  - Part Numbers
  - Serial Numbers
  - Operational Hours
- USB Presence

Electrical

- Unswitched Voltage

- Switched Voltage
- Implement and Vehicle CAN
  - CAN High
  - CAN Low

Other

NOTE: *Machine must be equipped to receive certain information.*

- Radar Input Status
- Radar Frequency
- Implement Switch Status

CZ76372,0000636 -19-09JUL13-1/1

CANBUS Information

Select Implement CAN for information on GPS receiver, second ISOBUS display, and ISOBUS implements. Select Vehicle CAN for information on machine controllers, such as the engine, hydraulics, and transmission.

Some values display a green dot or a yellow dot with an exclamation point. A green dot means value is within normal range, while a yellow dot means value is out of normal range. Depending on machine and implement configuration, yellow might be expected.

PC15335 —UN—09JUL13

A—Green Indicator, Normal Range

B—Yellow Indicator, Out of Range

CZ76372,0000637 -19-08AUG13-1/1

CANBUS Values

Network Status

Active

- System is working as expected. In addition to display, at least one controller is connected and communicating on CANBUS.

Inactive

- Display is not communicating with any other controllers on CANBUS. If display is only controller on CANBUS, Total Message Count increases, but Network Status is inactive.

Total Message Count

Total message count is number of messages sent over CANBUS. When machine is running, this value counts up continuously since there are always messages sent on CANBUS.

CAN High and CAN Low Voltage

Display reads peak voltage rather than average voltage. Since multimeters typically read average voltages, do not compare multimeter reading with display readings. Peak CAN High and Peak CAN Low voltages normally range between 1.8 and 3.3 Volts.

Bus Utilization

Information on CANBUS is sent in messages between controllers. The John Deere implement CANBUS is running at a baud rate of 250 kbd, meaning it can switch power up to 256,000 times per second to transmit messages. This is a BUS utilization of 100 percent.

If a controller, such as an implement, is not running as expected, a BUS utilization of 45 percent or higher could be a reason for the issue. Some devices cannot send and receive all necessary messages due to high BUS load.

NOTE: Some ISOBUS implements do not work with BUS loads higher than 25 percent.

A working StarFire GPS receiver causes a BUS load of about 5-7 percent.

Unplugging implements or GPS receivers can reduce BUS utilization.

Baud Rate

Baud Rate indicates how fast the BUS is working. ISOBUS and John Deere implement BUS are running at a rate of 250 kbd. Any controller connected to this system must work at 250 kbd, otherwise it will not function properly.

CANBUS State and Error Counts

Four CANBUS states are possible:

- Active – CANBUS is running without any problems.
- Passive – Passive errors have occurred.
- Warn – BUS Warn errors have occurred.
- Off – BUS Off errors have occurred.

If one of these errors occurs, display records number of times it happens.

Passive Error Count

- If value counts up higher than zero, a controller on CANBUS did not receive all messages. Important information might have been lost. This is most likely due to high CANBUS Utilization.

BUS Warn Count

- If value counts up higher than zero, a controller on CANBUS has issues.

BUS Off Count

- If value counts up higher than zero, a controller on CANBUS has issues. It missed a certain number of messages and does not receive messages anymore. Important information has been lost. It most likely occurs in combination with high CANBUS Utilization.

Overrun Error Count

- Overrun Error Count indicates that applications or controllers on CANBUS receive messages faster than they can process them. This results in missing messages and malfunction of the system. It most likely occurs in combination with high CANBUS Utilization.

CZ76372,0000638 -19-08AUG13-1/1

Navigate to Users & Access

RXA0129658 —UN—16NOV12

1. Select **Menu.**

2. Select **System tab.**

3. Select **Users & Access icon.**

A—User Profiles Tab   D—Edit Button
B—Access Groups Tab   E—View Button
C—Change Profile Button

Menu → System Tab → User & Access Icon

RXA0134341 —UN—01AUG13

KT81203,0000072 -19-23AUG13-1/1

Users & Access

PC17262 —UN—12JUL13

Users & Access manages user profile settings to lock users out of certain features.

User Profiles

• Change display profile and set PIN for administrator access.

Access Groups

• Store display features that are locked.

Navigate to Users & Access

Users & Access

1. Select Menu.

2. Select System tab.

3. Select Users & Access application.

CZ76372,0000643 -19-08AUG13-1/1

User Profiles

PC17265 —UN—15JUL13

Display can be set to one of two profiles, Administrator or Operator. The active profile is displayed above profile list.

Administrator Profile

Administrator profile always set to Full Access Group. It allows unlimited access of all features, and ability to lock and unlock features in Operator Profile. A PIN can be set to lock users out of the Administrator Profile.

Operator Profile

Operator profile always set to Limited Access Group. It is restricted to only features it is given access to. Operator

A—Administrator Profile   B—Operator Profile

Profile must be active profile and Administrator Profile must have a PIN for features to be locked.

    CZ76372,0000644 -19-08AUG13-1/2

090613

Change Active Profile

Select Change Profile button and select profile from list.

NOTE: If a PIN has been created for the administrator profile, it must be entered when switching from Operator Profile to Administrator Profile.

Add/Change PIN

Select Edit button for Administrator Profile. Select Add/Change PIN button.

PC17266 —UN—15JUL13

A—Change Profile Button
B—Edit Button
C—View Button

CZ76372,0000644 -19-08AUG13-2/2

Access Groups

Access Groups store display features users have access to. Full Access group is able to use all features on display, while Limited Access group can be restricted to only certain features.

NOTE: Full Access Group can not be edited.

Limited Access groups can only be edited if Administrator Profile is Active Profile.

Select View button to display Access Group Summary. Select Edit Group button to make changes to Access Group.

PC17267 —UN—15JUL13

A—View Button
B—Edit Group Button

CZ76372,0000647 -19-08AUG13-1/2

Edit Access Group

For each application listed, "None Locked" is displayed if no features are locked. When features are locked, they are listed under the application name and icon changes to locked.

Select an application to highlight it and select Edit button.

Edit Access Rights page displays a list of features that can be locked or unlocked by toggling lock/unlock switch. Save changes by closing page.

PC17268 —UN—15JUL13

A—Unlock Icon
B—Lock Icon

CZ76372,0000647 -19-08AUG13-2/2

Navigate to Layout Manager

RXA0126688 —UN—07JUN12

1. Select **Menu.**
2. Select **Applications tab.**
3. Select **Layout Manager icon.**

   NOTE: *Layout Manager opens in last used run page.*

A—Active Set Tab   C—Edit Button
B—All Run Pages Tab

Menu → Applications Tab → Layout Manager Icon

RXA0135346 —UN—03SEP13

Layout Manager Page

KT81203,000006A -19-30AUG13-1/1

Layout Manager

PC16678 —UN—18MAR13

Use Layout Manager to create and modify run pages so important information and functions can be accessed from the main page.

Run pages are made of "modules" or blocks that contain information and buttons. Modules can be added, removed, and rearranged on a run page.

Unlimited Run Pages can be created and saved. Only one Run Page Set can be created.

Navigate to layout Manager

Layout Manager

1. Select Menu.

2. Select Applications tab.
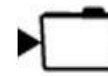
3. Select Layout Manager application.

CZ76372,0000639 -19-06AUG13-1/1

Active Set

PC15336 —UN—10JUL13

Active Set is a collection of Run Pages grouped together for an operation (i.e. planting or tillage).

Select Active Set to display Edit Run Page Set page.

Active Set

CZ76372,000063A -19-10JUL13-1/3

Rename Active Set

PC15337 —UN—10JUL13

Next to Set Name, select Edit button to rename Active Set.

Add Run Page to Active Set

Select Add Run Page button to display a list of run pages that can be added to the set. Choose one of the run pages and select OK.

A—Edit Button   B—Add Button

CZ76372,000063A -19-10JUL13-2/3

Edit Run Pages in Active Set

Select one of the run pages to show a row of buttons for editing that run page.

Select Edit button to change the modules on run page.

Select Duplicate button to create a new run page with same modules.

Select Up and Down buttons to change order of run pages. Run page order is used when cycling through pages on main page.

Select Remove button to delete run page from Active Set. Run page is still in All Run Pages list, just no longer in Active Set.

PC15338 —UN—10JUL13

A—Edit Button
B—Duplicate Button
C—Move Up Button
D—Move Down Button
E—Remove Button

NOTE: Remove button is not shown if only one run page is in Active Set.

CZ76372,000063A -19-10JUL13-3/3

Add, Edit, or Duplicate Run Pages

The same interface is displayed when adding, editing, or duplicating a run page. A new run page starts out blank, while duplicate or edited run pages have existing modules.

Run Page Name

Every run page must have a unique name. Select Edit button to either name or rename run page.

Add Module

Select Add Module button and choose application with appropriate content. From list, find module with desired information and select Add button.

NOTE: The same module can only be placed on a run page once.

PC15337 —UN—10JUL13

A—Edit Button
B—Add Module Button

NOTE: Start with larger modules before adding smaller modules to fill in space.

Use grid to determine amount of space required for a module.

CZ76372,000063C -19-10JUL13-1/3

Rearrange Modules

Once added to run page, select module to highlight it. Press and slide module to move it to an open area.

PC15342 —UN—10JUL13

Move Module

CZ76372,000063C -19-10JUL13-2/3

Remove Module

Select module to highlight it, and select Remove button.

PC15343 —UN—10JUL13

Remove Module Button

CZ76372,000063C -19-10JUL13-3/3

AutoTrac Guidance

PC16676 —UN—18MAR13

Use Guidance application for steering machines through field along guidance tracks. Guidance can be done manually, or automatically using AutoTrac.

Manual Guidance (included feature)

Manual Guidance, also known as Parallel Tracking, enables operator to steer manually along guidance tracks using onscreen light bar, map, and audible tones. A StarFire receiver is required to operate Manual Guidance. Parallel Tracking shows the machine's position in a field relative to a track determined during the first pass through the field. Parallel Tracking has modes to follow a straight or curve track. Use the machine icon, lightbar, and line on the display to know which way to steer to stay on the path parallel with the last. Audible alerts allow the operator to focus on the field.

AutoTrac Guidance (activation required)

AutoTrac is an assisted steering system that automatically steers the machine through the field. AutoTrac requires

a StarFire receiver and an integrated steering system on the machine to operate. After operator enters a reference path (Track 0) in AutoTrac, machine will steer itself parallel to that track if all conditions are met.

The AutoTrac Guidance application provides the tools to:

• Set up a guidance track.
• Change track width.
• Adjust settings to improve guidance performance.
• Engage AutoTrac.
• View exit codes.

CZ76372,000062F -19-25JUL13-1/1

Navigate to Machine Profile

RXA0135338 —UN—30AUG13

1. Select **Menu.**

2. Select **Applications tab.**

3. Select **Machine Profile icon.**

A—Machine Tab
B—GPS Offsets Tab
C—Connection Offsets Tab
D—Machine Profile Name Input Field
E—Machine Type Input Field
F—Cancel Button
G—Save Button

Menu → Applications Tab → Machine Profile Icon
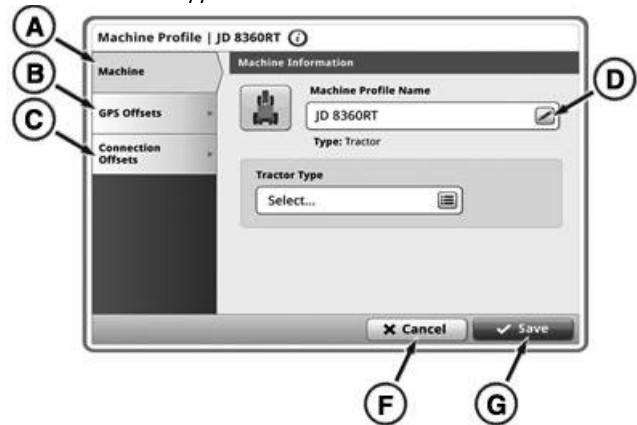
RXA0135337 —UN—30AUG13

KT81203,000006D -19-29AUG13-1/1

Machine Profiles

PC16679 —UN—18MAR13

Machine Profiles allow the operator to configure machine dimensions and GPS offsets. These offsets and dimensions are important for system performance.

Machine Settings

If machine is detected by display, machine type is automatically populated. Otherwise, select list box to choose machine type.

Depending on machine type selected, additional dimensions may be required.

Machine Profiles

- *Four Wheel Drive Tractor*
  Front Axle
  - Distance from articulation point to center of front axle. Articulation point is pivoting point of machine when making a turn.
  Rear Axle
  - Distance from articulation point to center of rear axle. Articulation point is pivoting point of machine when making a turn.
- *Track Tractor*
  Center of Rotation
  - Distance from pivot point of machine to rear axle.

GPS Offsets

- *GPS Lateral Offset*

  - Lateral distance (left or right) from center line of machine to center of GPS receiver. This value should be set to 0.0 unless GPS receiver is offset to the left or right of center line of machine. Guidance and Mapping applications require GPS Lateral Offset settings.

- *GPS Inline Offset*
  - Inline distance from center of rear axle on machine to center of GPS receiver. Mapping application requires GPS Inline Offset settings.

- *GPS Height*
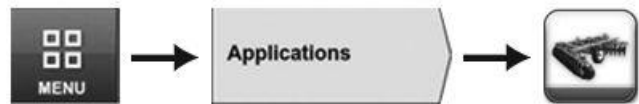 - Vertical distance from GPS receiver to ground.

Connection Offsets

- Inline distance from center of rear axle to connection point. Connection point connects implement to machine. Mapping application requires Connection Offset settings.

HC94949,0000387 -19-26AUG13-1/1

Navigate to Implement Profile

RXA0135344 —UN—30AUG13

1. Select **Menu.**

2. Select **Applications tab.**

3. Select **Implement Profile icon.**

A—Connection Type Tab
B—Working Width Tab
C—Dimensions Tab
D—Work Recording Tab
E—Connection Type Name Input Field
F—Pivot Offset Input Field
G—Cancel Button
H—Save Button

Menu → Applications Tab → Implement Profile Icon

RXA0135339 —UN—30AUG13

KT81203,000006C -19-29AUG13-1/1
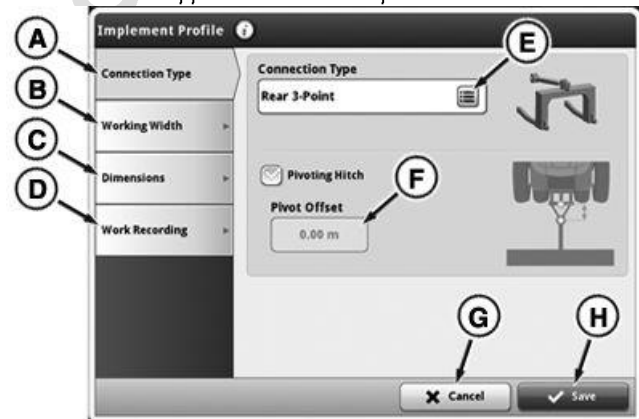
Implement Profiles

Use Implement Profiles to configure Implement Connection Type, Working Width, Dimensions, and Recording Triggers. These offsets and dimensions are important for system performance.

PC16672 —UN—18MAR13

Implement Profiles

Connection Types

- Determines the trailing actions of the implement being towed behind machine. Connection Type should reflect the connection type of the current implement. It should also match one of the machine connection types specified in the Machine Profiles section. Mapping application requires Connection Type settings.

- *Pivoting Hitch*
  - Some implement types consist of a pivoting hitch and do not pivot at the connection point of the machine. For these implement types, a Pivot Offset setting is required. This option only appears if Rear 3-Point is selected as a machine connection type.

Working Width

- Working Width determines width of the area worked. It is also used to determine the distance between each pass in the field. Guidance, Mapping, and Area Totals applications require Working Width.
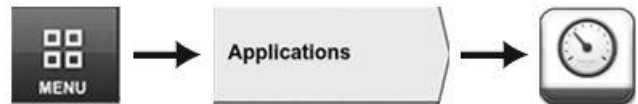
Dimensions

- *Lateral Offset*
  - Lateral distance from center point of machine to center point of working width of implement. Guidance and Mapping applications require Lateral Offset setting.

- *Center of Rotation*
  - Inline distance from connection point to the center of rotation of implement while in working position. Usually, Center of Rotation is the implement's load bearing parts that make contact with the ground. Mapping application requires Center of Rotation setting.

Work Recording

- Recording Triggers determine when map recording is turned ON and OFF. Mapping application requires Work Recording settings.

NOTE: In Manual mode, operator must push Record or Pause button to turn Coverage Map recording ON or OFF.

Not all Recording Triggers are available for all machines, and many Recording Triggers require ground speed.

HC94949,0000388 -19-26AUG13-1/1

Navigate to Machine Monitor

1. Select **Menu.**
2. Select **Application tab.**
3. Select **Machine Monitor icon.**

A—Speed & Power Tab
B—Pressure & Volume Tab
C—Temperature Tab
D—Electrical Tab
E—Productivity Tab
F—Machine Monitor Measurement Display
G—Scroll Bar

RXA0126813 —UN—12JUN12

Menu → Applications Tab → Machine Monitor Icon

RXA0126814 —UN—12JUN12
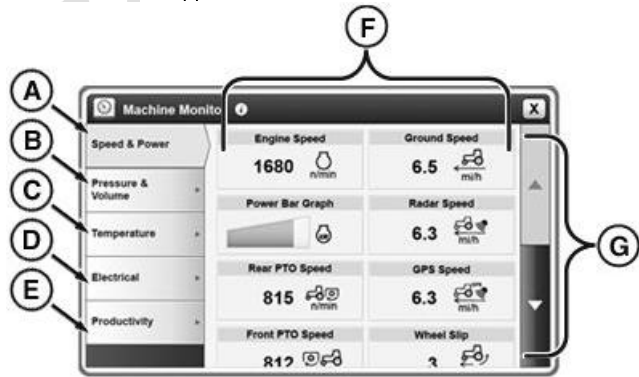
Example Machine Monitor Screen

KT81203,000006B -19-23AUG13-1/1

Machine Monitor

PC15318 —UN—16MAY13

Machine Monitor displays machine specific performance values. Groupings of values include:

Machine Monitor

• Speed and Power
• Fuel and Pressure
• Temperature
• Electrical
• Hours

Navigate to Machine Monitor

NOTE: Values available in each group depend on machine model.

1. Select Menu.

2. Select Application tab.

Select tabs on left-hand side of the page to switch between groups. Select a value to view a popup of just that value.

3. Select Machine Monitor application.

If a value is not available, dashes will be shown.

CZ76372,0000620 -19-17JUL13-1/1

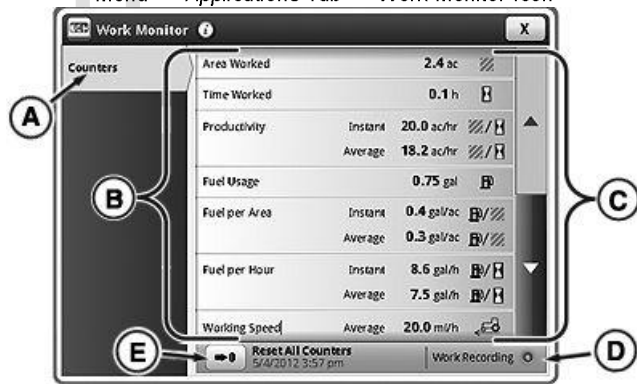## Navigate to Work Monitor

RXA0135359 —UN—03SEP13

1. Select **Menu.**
2. Select **Applications tab.**
3. Select **Totals and Averages icon.**

Menu → Applications Tab → Work Monitor Icon

   A—Work Monitor List   C—Reset All
   B—Scroll Bar

Work Monitor Page

KT81203,0000071 -19-30AUG13-1/1

Work Monitor

PC15317 —UN—16MAY13

Work Monitor displays averaged and totaled machine and operation specific values. Select a value on the page to view a popup window of just that value.

Work Monitor

Use the reset button at the bottom of the page to clear all values, except instant values. Date and time of the last reset will be indicated next to the button.

Navigate to Work Monitor

1. Select Menu.

To be calculated correctly, some values require implement working width. Use the Edit Width button on a popup window to change working width. This button opens the Implement Profiles application. For more information, see Implement Profiles section.

2. Select Application tab.

3. Select Work Monitor application.

CZ76372,000061E -19-09JUL13-1/1

Work Recording

When Work Recording is ON, map recording and counters that require a recording trigger accumulate. Counters requiring Work Recording include:

- Area Worked
- Time Worked
- Productivity
- Average Fuel Per Area
- Average Working Speed

Select Work Recording in the bottom right hand corner to view a popup window with recording settings.

Recording status is based off the current recording trigger selected in Implement Profiles. If the recording trigger does not fit the current operations, press Edit button to change the selected recording trigger. For more information, see Implement Profiles section.

NOTE: If recording trigger is set to manual, work recording can be switched on or off by pressing the recording button.

CZ76372,000061F -19-09JUL13-1/1

Navigate to Maintenance & Calibrations

1. Select **Menu.**

2. Select **Tractor Settings tab**

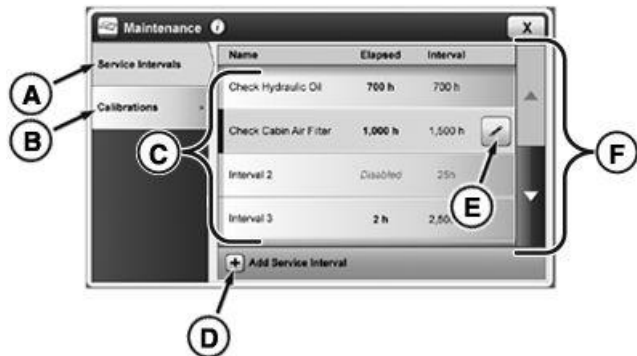3. Select **Maintenance & Calibrations icon.**

A—Service Intervals Tab
B—Calibrations Tab
C—Service Intervals List
D—Add Service Interval Button
E—Edit Service Interval Button
F—Scroll Bar

RXA0135275 —UN—26AUG13

Menu → Tractor Settings Tab → Maintenance & Calibrations Icon

RXA0135274 —UN—26AUG13

Maintenance & Calibrations Page

KT81203,00000A5 -19-23AUG13-1/1

Maintenance & Calibrations

Maintenance & Calibrations application allows the operator to set up service intervals and perform calibrations on machine components.

Navigate to Maintenance & Calibrations

1. Select Menu.

2. Select Tractor Settings tab.

PC15324 —UN—21MAY13

3. Select Maintenance & Calibrations application.

CZ76372,000062B -19-09JUL13-1/1

Calibrations

Use this application to perform wheel slip calibration and radar calibration. For a tractor, perform wheel slip calibration and radar calibration within this application.

Radar Calibration

A radar device needs to be calibrated when it is first installed on the machine or there is a difference between radar speed and actual ground speed. Currently, the system supports John Deere dual beam radars.
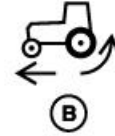
NOTE: In windy conditions, moving parts such as leaves, dust, or gravel can cause inaccurate radar speed.

Wheel Slip Calibration

Calibrate wheel slip if there is a mismatch between radar speed and wheel speed. For more information, see Machine Monitor .

PC15325 —UN—01JUL13

A—Radar Calibration   B—Wheel Slip Calibration

Perform calibration while driving with an unloaded machine on a hard, dry, clean, and level surface.

NOTE: Wheel slip calibration is only available on a connected and calibrated radar device.

Make sure radar speed is accurate before performing wheel slip calibration.

CZ76372,000062C -19-09JUL13-1/1

Service Intervals

Service Intervals are reminders of when regular maintenance needs to be performed on a machine.

If a service interval is not defined at the factory, press the Add Service Interval button. An unlimited number of service intervals can be added.

Once a service interval is created, it is added to the list and displayed with the name, elapsed time, and interval amount.

• The operator selects the name to identify the specific service interval.
• Elapsed indicates the number of hours since the service interval was reset.

• Interval is the number of hours between each service.

The intervals are sorted from least amount of time due to the most amount of time due. They are then sorted by name, in alpha-numerical order, with priority given to numbers.

Twenty hours before the service interval is due, the system will inform the operator that the machine will need to be serviced soon. Once the message has been acknowledged, the system will inform the operator about the upcoming service at every startup until service interval is reset.

CZ76372,000062D -19-09JUL13-1/1

Navigate to Controls Setup

Controls Setup page allows user to assign device (E) with various implement functions (H). Once completed, function may be performed by activating assigned device.

NOTE: Some ISOBUS joysticks may not be equipped.

⚠ **CAUTION: ISOBUS Controller detected Improper operation can cause unintended implement movement.**

To avoid death or serious injury to bystander, understand how this display operates the functions of each machine

Read Operator's Manual for ISOBUS Implements.

Message above occurs when system detects auxiliary control. If necessary, review or change ISOBUS joystick assignments. Immediately after message, operator can decline or accept by pressing appropriate buttons. If "Decline" is selected, all ISOBUS joysticks are disabled. If "Accept" is selected, all ISOBUS joysticks are enabled.

NOTE: When ISOBUS joystick is detected or is reassigned, operator must ensure:

- *All users know which function is mapped to each control.*
- *Controls are properly labeled.*
- *Controls provide safe implement operation.*

Example—Two switch ISOBUS compliant joystick is used to control drawn sprayer equipped with ISO implement control unit. Sprayer has two controlled functions: pump on/off and boom on/off. Using Controls Setup feature, each function may be assigned to one of ISOBUS joystick switches.

Controls Setup Page

Use shortcut buttons or display touch screen:
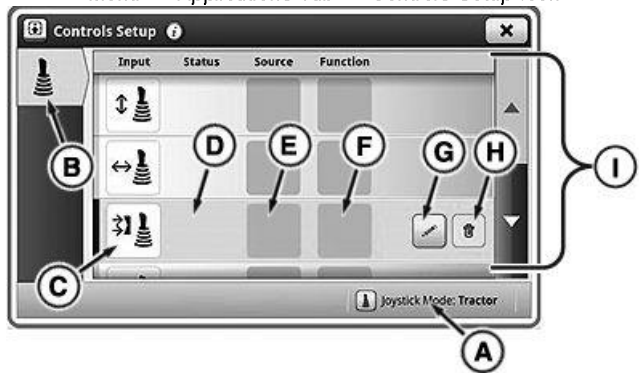
1. Select **Menu.**

RXA0133715 —UN—16JUL13

Generation 4 Controls Setup Shortcut Button

RXA0130061 —UN—01AUG13

Menu → Applications Tab → Controls Setup Icon

Controls Setup Page

RXA0134997 —UN—09AUG13

A—Joystick Mode Icon
B—Joystick Tab
C—Input Device
D—Status
E—Source
F—Function
G—Add or Edit Assignment Button
H—Delete Assignment Button
I— Scroll Bar

2. Select **Applications tab.**

3. Select **Controls Setup icon.**

KT81203,0000064 -19-04SEP13-1/1

Controls Setup

An integrated tractor joystick combined with this John Deere display performs some tractor functions or some implement functions when combined with an ISOBUS implement.

An ISOBUS joystick combined with this John Deere display and an ISOBUS implement can perform some functions of the ISOBUS implement.

NOTE: The ISOBUS implement and ISOBUS joystick are required to be Auxiliary Control New (AUX-N) capable.

PC15326 —UN—08JUL13

Navigate to Controls Setup

1. Select Menu.

2. Select Applications tab.

3. Select Controls Setup Application.

CZ76372,0000630 -19-05SEP13-1/1

090613
PN=97

Controls

PC15329 —UN—08JUL13

From the left-hand side of the Controls Setup page, select one of the following controls:

- Tractor joystick
- ISOBUS joystick
- Tractor functions
- ISOBUS implement

Enable or Disable Controls

Assignments

Depending on the selected control, the following combinations (assignments) are possible:

Tractor joystick

- Input + Source + Function

ISOBUS joystick

- Input + Implement + Function

Tractor functions

- Functions + Device + Input

ISOBUS implement

- Function + Device + Input

CZ76372,0000631 -19-08AUG13-1/3

Setup and manage the assignments

PC15327 —UN—08JUL13

To add or edit any assignment, select the desired control, select Input or Function, and press either Edit or tap anywhere in the selectable area. Once assignment is completed, a status icon is shown.

A—Start a guided assignment wizard
B—Add or edit assignment
C—Remove assignment

Setup Buttons

CZ76372,0000631 -19-08AUG13-2/3

Joystick Mode

PC15328 —UN—08JUL13

Set up tractor joystick for operating either tractor functions or ISOBUS implement functions. Depending on the tractor model and its configuration, the operator can select:

OFF

- Tractor joystick is disabled.

Front/Mid SCVs

- Exclusively operate front or mid SCV functions for 6R tractor.

Tractor Functions

- Operate tractor functions for 6R, 7R, 8R, and 9R tractors.

Joystick Mode

ISOBUS

- Operate ISOBUS implement functions only.

Loader Mode

Tractor joystick is set up for operating front loader for 6R, 7R, 8R tractors. For additional information, refer to tractor SCV advanced settings.

CZ76372,0000631 -19-08AUG13-3/3

Automation Status

Automation Status gives operator the ability to control tractor functions externally. Automation Status displays which tractor functions are being controlled and their current status.
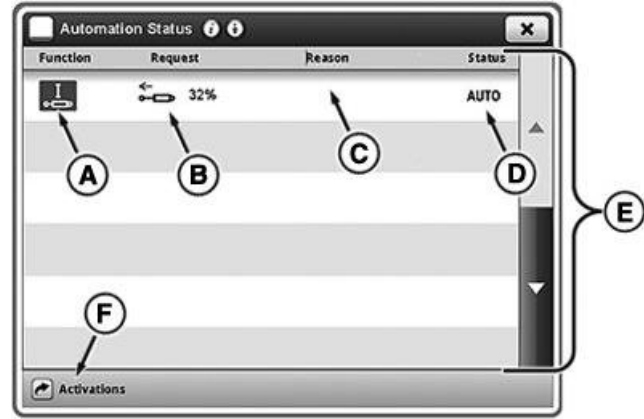
Example 1 SCV Function- SCV status set to AUTO. Implement actively controls SCV 1. Implement requests SCV flow to be set at 32% in extend direction.

1. Select **Menu.**

2. Select **Applications tab.**

3. Select **Automation Status icon.**

Press Activations button (F) to navigate to Software Manager application.

A—Function
B—Request
C—Reason
D—Status
E—Scroll Bar
F—Activations button

Menu → Applications Tab → Automation Status Icon

Automation Status Page

KT81203,00000A2 -19-04SEP13-1/1

Read ISOBUS Implement Operator's Manual

⚠ CAUTION: Implement Detected

Improper operation can cause unintended implement movement.

To avoid death or serious injury to a bystander, understand how this display operates the functions of the implement.

Read and understand the implement Operator Manual.

Message shown above displays when system detects ISOBUS implement. For more information, read Operator Manuals for ISOBUS Implements.

CommandCenter is a trademark of Deere & Company

Generation 4 CommandCenter™ display can be used as display device for any implement meeting ISO 11783 (ISOBUS) standard. This includes capability to control ISOBUS implements. When used in this manner, information and implement control functions placed on the display are provided by implement and are responsibility of implement manufacturer. Some of these implement functions could provide hazard either to operator or bystander. Read operator manual provided by implement manufacturer and observe all safety messages in manual and on implement prior to use.

KT81203,0000068 -19-04SEP13-1/1

ISOBUS VT

This John Deere display supports ISOBUS 11783 compatible implements. These implements can be viewed and operated within the ISOBUS Virtual Terminal (VT).

When an ISOBUS implement is connected, graphic files for the user interface are loaded into ISOBUS VT. Then ISOBUS VT provides a means for the operator to navigate through and operate all available functions of ISOBUS implement.

Navigate to ISOBUS VT

1. Select Menu.

PC16682 —UN—18MAR13

2. Select Application tab.

3. Select ISOBUS VT application.

CZ76372,0000629 -19-06AUG13-1/2

Connected ISOBUS Implements

The Generation 4 display loads and communicates with different ISOBUS implements at the same time. A list of all connected ISOBUS implements is displayed after selecting menu button.

Select desired ISOBUS implement and press Done button to view implement's user interface.

Troubleshooting

If ISOBUS VT screen is no longer operable, but display still is, issue is most likely related to ISOBUS implement.

PC15293 —UN—18MAR13

Switch ignition off and restart machine, or unplug ISOBUS implement connector and reconnect.

CZ76372,0000629 -19-06AUG13-2/2

StarFire GPS Receiver

The StarFire GPS Receiver acquires global positioning and differential correction signal through a single receiver.

A Terrain Compensation Module (TCM) is integrated into the receiver, and is a navigational aid used with the receiver to enhance vehicle position and course parameters provided by GPS. TCM corrects for vehicle dynamics, such as roll and pitch on side-slopes, rough terrain, or varying soil conditions. An accurate TCM calibration is necessary for proper operation.

See the StarFire Receiver operator's manual for setup and calibration instructions.

PC16682 —UN—18MAR13

Navigate to StarFire GPS Receiver

1. Select Menu.

2. Select or Applications tab.

3. Select ISOBUS VT application.

HC94949,0000389 -19-26AUG13-1/1