REBEL™

BY OUTBACK GUIDANCE

Quick Start Guide

Outback
GUIDANCE
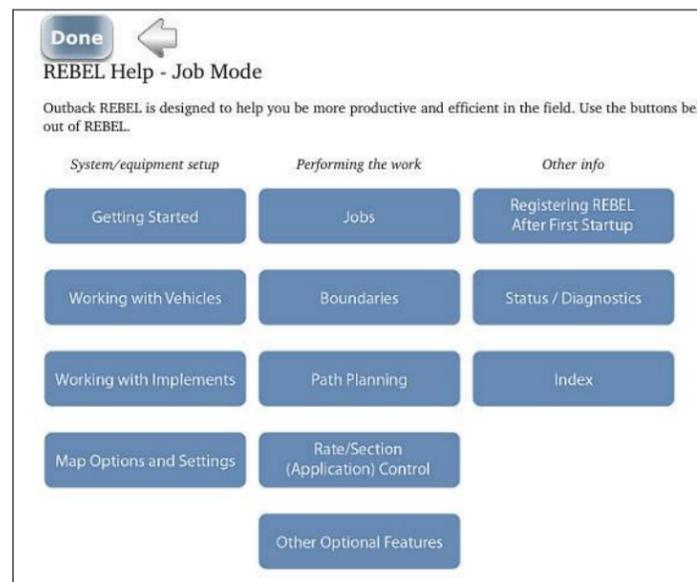
www.outbackguidance.com

Obtaining Help for REBEL

The following sections provide instructions on using terminal onscreen Help and list support contact information.

Visit our support page at: outbackguidance.zendesk.com, to find a PDF Rebel User Guide and other support topics from Outback.

Using Onscreen Help

REBEL includes onscreen Help available from the terminal. Press **Menu > Help** to display the Help window (at right).

- The first column of topics provides such information as understanding the touchscreen (Getting Started), adding a vehicle (Working with Vehicles), and adding an implement (Working with Implements.)
- The second column describes how to perform work, such as starting a job (Jobs), creating a boundary (Boundaries), and setting a straight-line path to autosteer along (Path Planning).
- The third column provides information on registering REBEL (if you skipped registration at startup), viewing status data (Status/Diagnostics), and using the Index to find a specific topic (Index).

> Done ⬅
> REBEL Help - Job Mode
>
> Outback REBEL is designed to help you be more productive and efficient in the field. Use the buttons below out of REBEL.
>
> | System/equipment setup | Performing the work | Other info |
> | --- | --- | --- |
> | Getting Started | Jobs | Registering REBEL After First Startup |
> | Working with Vehicles | Boundaries | Status / Diagnostics |
> | Working with Implements | Path Planning | Index |
> | Map Options and Settings | Rate/Section (Application) Control | |
> | | Other Optional Features | |

Customer Support

North America

Outback Guidance
2207 Iowa Street
Hiawatha, KS 66434
Phone: (800) 247-3808
Fax: (785) 742-4584
support@outbackguidance.com

Outback Canada
3-20 South Landing Drive
Oak Bluff, MB R4G 0B1
Phone: (866) 888-4472
Fax: (204) 888-0991

Australia

Outback Australia
3/14 French Avenue
Brendale, QLD 4500
Phone: (800) 688-255
supportAU@outbackguidance.com

1

Install autosteer kit

Schedule an appointment with your dealer to complete the installation of your vehicle's REBEL autosteer kit.

2

Check package contents

Refer to the Kit Contents pages starting on page 2 and, if applicable, the Optional Upgrades pages starting on page 8 to confirm you have received all parts of your REBEL system. The bottoms of the Kit Contents pages are color-coded to indicate the kit type (Broad-Acre, Row Crop, or Sub-Inch).

We recommend recording your dealer and product information below for quick reference should you require help during installation or while using REBEL.

Dealer Name:

Dealer Phone:

Dealer Email:

REBEL Terminal Serial Number:

3

Connect terminal

Use the connection diagrams starting on page 14 and the instructions starting on page 17 to install and connect your REBEL terminal and other components that came with your system.

4

Power on

Turn on your REBEL terminal and other components then register REBEL (starting on page 25).

**5**

Get help when needed

Learn how to access the Help built into your REBEL terminal and how to contact us if you have any questions (page 28).

Broad-Acre Kit Contents

Unpack your REBEL Broad-Acre kit and identify the parts as shown.

Part Number	Qty	Description	Photograph
752-0005-01	1	7" terminal	
804-0155-0	1	A222 Smart Antenna	
910-1063-000	1	eDriveXD autosteering controller	
604-0015-000#	1	Terminal mounting hardware • Round base (attach to terminal) • Double socket arm mount • Bar mount base with U-bolts/nuts	
050-0020-01	1	LAN/USB cable Connects LAN/USB port on terminal to eDriveXD cable	
050-0022-01	1	Power cable Connects power port on terminal to power adapter cable	
050-0043-01	1	COM1 cable Connects COM1 port on terminal to switchbox, lightbar/AC110 cable, and antenna cable	

d. Enter your personal information. The fields circled at right are required (upon first displaying this screen the field labels are red)-for each field press **Edit** to display a keypad, enter a value, then press **Done**. After completing all fields, the field labels turn from red to blue.

e. Press **Register**. When registration is complete ('Registration Successful' appears on the screen) press **Complete** to display the Start Up Menu.
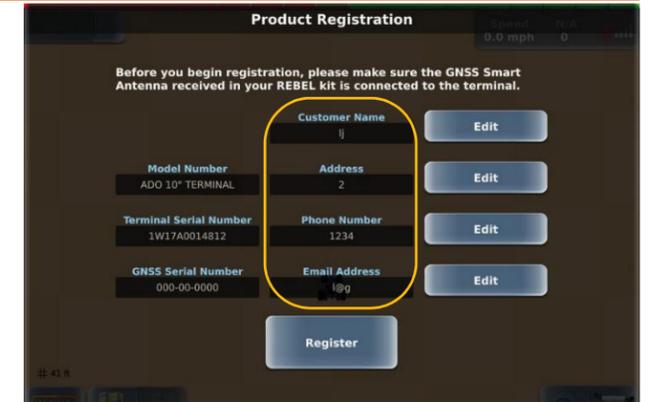
6. The Start Up Menu includes read-only fields for the current vehicle, current implement, and last job number. When you start REBEL for the first time only those buttons shown at right appear; you will not see any 'job' buttons. You must define a vehicle and an implement before any job functionality is enabled.

   If your system has a Task Controller subscription, the Start Up Menu displays similar vehicle and implements fields/ buttons, but Task-related field/buttons replace the Job field/ buttons.

7. You can press **Vehicle Profiles** to start adding a vehicle or press **Implement Profiles** to start adding an implement; however, to learn more about adding vehicles and implements, press **Skip** to close the Start Up Menu then refer to REBEL Help on your terminal-see "Using Onscreen Help" on page 28.

NOTE: REBEL must have a GPS position to begin a job and provide guidance. REBEL starts acquiring a DGPS signal (as long as the antenna has a clear view of the sky)-this may take several minutes, during which time the vehicle can be moving and you can perform certain functions.

- Upon achieving a GPS position, the satellite icon on the real-time status tab (upper right of map) turns orange and '3d' appears on the tab indicating a 3-dimensional solution.
- Upon acquiring a DGPS position, the satellite icon turns green and the real-time status tab displays '3D' indicating a differentially corrected 3-dimensional solution.
- Upon acquiring an RTK position (with optional RTK equipment) the tab displays 'RTK'.

Powering Down

Depending on the components of your system you may have to power down more than one component. For example, if your REBEL system includes eDriveXC you must power down both the REBEL terminal and the eDriveXC ECU. See "Powering Up and Registering Your Product" on page 25 for power button/switch photos of the REBEL terminal and eDriveXC/XD ECU.

1. Power down the REBEL terminal by pressing (and releasing) the terminal power button. REBEL will go through its power down sequence.

2. Power down any additional components:
   - eDriveXC/XD - turn the eDriveXC/XD ECU power switch to the off position
   - AC110 - turn the AC110 power switch to the OFF position
   - eDriveESi - this will power down when you power down eDriveXC/XD

3. Upon power up, REBEL completes a self-test and the screen at right appears.

4. *Acknowledge the warning and accept the End User License Agreement (EULA):*

   a. Press the underlined 'here' to display the End User License Agreement (EULA).

   b. Read the EULA then press **Back** to return to the Warning screen at right.

   c. (Optional) Adjust the brightness slider (along right of Warning screen) to adjust the screen brightness. Otherwise, refer to REBEL Help to use the System Preferences panel to adjust the screen brightness.

   d. Press **I Accept** to display the first Product Registration screen, then press **Next** to begin the registration process.
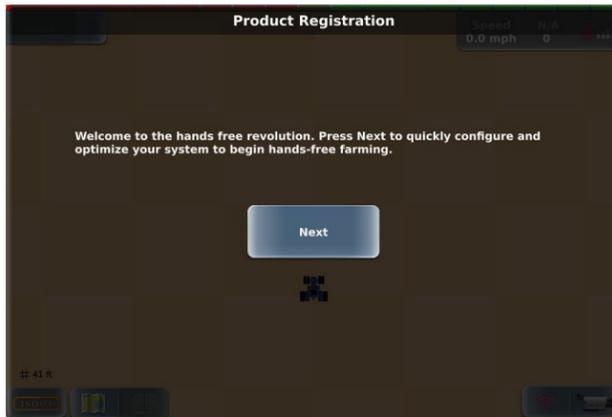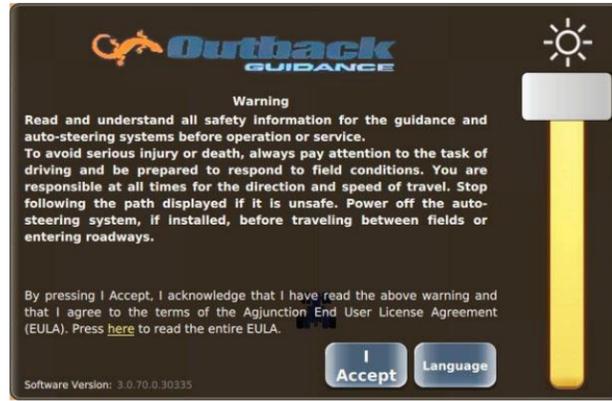
5. *Connect to a Wi-Fi network and register your product:*

   a. Use the up/down arrows to scroll through the list of available Wi-Fi networks (if necessary) then press the network you want to connect to (the selected network button is green).

   b. Press **Connect**.
      - If the network requires no login information (unlocked lock to far right of button), a spinning progress circle appears to the right of the button you pressed and when connected, the lock changes to a green check (at right).
      - If the network requires a password, enter the password in the window that appears then press **Done**. A green check mark replaces the lock.

   c. Upon a successful Wi-Fi connection, press **Next** to display the product registration screen with the product information pre-filled.

Part Number	Qty	Description	Photograph
050-0041-01	1	COM2 cable Connects COM2 port on terminal to foot switch	
050-0045-01	1	Antenna extension cable Connects COM1 cable to antenna	
050-0046-01	1	Power adapter cable Connects power cable to power source	
720-0033-00A	1	Antenna mount	
051-0397-10	1	A222 Adapter Cable	
676-0024-000#	1	Antenna mount adapter	
607-0023-01	1	Switch bracket Use to mount eDriveXD power switch	
520-0022-01	1	USB drive, 8 GB	
484-0002-01	1	Screen protector, 2 pk, with applicator/cleaner	

Row-Crop Kit Contents

Unpack your REBEL Row-Crop kit and identify the parts as shown.

Part Number	Qty	Description	Photograph
752-0005-01	1	7" terminal	
804-0155-0	1	A222 Smart Antenna	
910-1064-000	1	eDriveXC autosteering controller	
604-0015-000#	1	Terminal mounting hardware • Round base (attach to terminal) • Double socket arm mount • Bar mount base with U-bolts/nuts	
050-0020-01	1	LAN/USB cable Connects LAN/USB port on terminal to eDriveXC cable	
050-0022-01	1	Power cable Connects power port on terminal to power adapter cable	
050-0043-01	1	COM1 cable Connects COM1 port on terminal to switchbox, lightbar/AC110 cable, and antenna cable	

Powering REBEL

Powering Up and Registering Your Product

Depending on the components of your system you may have to power up more than one component. For example, if your REBEL system includes eDriveXC you must power up both the REBEL terminal and the eDriveXC ECU.

1. Power up the REBEL terminal and any other components.

    The REBEL terminal power button is located on the top right behind the touchscreen (circled at right). Press and hold the power button for approximately three seconds until the screen illuminates and the Outback logo appears.

2. Power up any optional components. Refer to your installation documentation for detailed instructions on installing optional components.
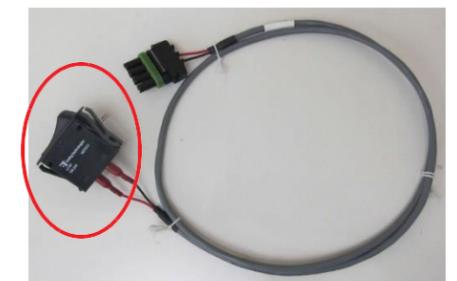
eDriveXC or eDriveXD

Turn the eDriveXC/XD power switch to the on (middle) position-the long thin LED on the switch illuminates red when on. eDriveXC/XD will establish communication with the REBEL terminal and wait for the DGPS signal to be acquired.

On   Off
(depressed)
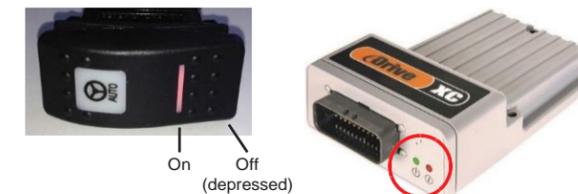
AC110

Turn the AC110 power switch (at right) to the ON position.

ESi electric steering wheel

Power is supplied to eDriveESi by eDriveXC/XD.

ISOBUS

The implement's ISOBUS ECU receives power via the vehicle's IBBC connector or the ISOBUS retrofit kit. See "Connecting to Your ISOBUS ECU" on page 20 for more information.

Note: For information on configuring your ISOBUS implement refer to REBEL Help installed on your terminal.

Connecting the Cables to the Terminal

Using "REBEL Terminal Overview" on page 13, "REBEL Connection Diagrams" starting on page 14, and the photo at right as guides, connect the appropriate cables to the REBEL terminal.
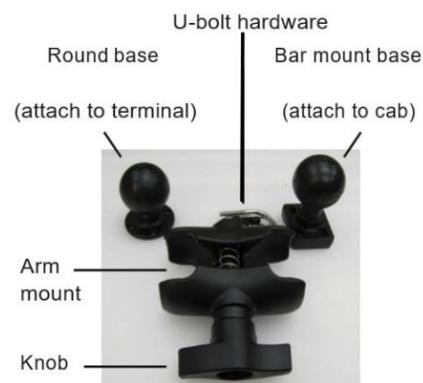
COM1   COM2   LAN/USB   Power

Mounting the Terminal

Before you mount the terminal determine an appropriate mounting location. Locate the terminal within easy reach and visibility of the driver; typically, this is in the front, right corner of the cab. Additionally, allow enough room for any optional equipment, such as the lightbar and/or switchbox.

! WARNING: *Do not mount the terminal in a location where it interferes with seeing other information, controls, or the field. Looking at the screen for too long while operating the vehicle can cause a crash.*

1. Use the terminal mounting hardware to mount the terminal. Review the terminal mounting hardware (top photo at right).
2. If necessary, loosen the knob on the arm mount and remove the ball mounts from the mounting assembly.

Using the bottom photo at right as a guide, complete the following steps:

3. Attach the round base to the back of the terminal using the screws provided.
4. Attach the bar mount base to your preferred location using the included U-bolt hardware.
5. Place one end of the arm mount over the ball of the bar mount base then tighten the knob enough so the arm mount stays attached.
6. Position the terminal so the round base fits in the open end of the arm mount then tighten the knob securely.
7. Adjust the terminal to your preferred viewing angle.

U-bolt hardware
Round base   Bar mount base
(attach to terminal)   (attach to cab)
Arm mount
Knob

Part Number	Qty	Description	Photograph
050-0041-01	1	COM2 cable Connects COM2 port on terminal to foot switch	
050-0045-01	1	Antenna extension cable Connects COM1 cable to antenna	
050-0046-01	1	Power adapter cable Connects power cable to power source	
720-0033-00A	1	Antenna mount	
051-0397-10	1	Adapter Cable	
676-0024-000#	1	Antenna mount adapter	
607-0023-01	1	Switch bracket Use to mount eDriveXC power switch	
520-0022-01	1	USB drive, 8 GB	
484-0002-01	1	Screen protector, 2 pk, with applicator/cleaner	

Sub-Inch Kit Contents

Unpack your REBEL Sub-Inch kit and identify the parts as shown.

| Part Number	Qty	Description	Photograph
752-0005-01	1	7" terminal	
804-0155-0	1	A222 Smart Antenna	
910-1064-000	1	eDriveXC autosteering controller	
604-0015-000#	1	Terminal mounting hardware • Round base (attach to terminal) • Double socket arm mount • Bar mount base with U-bolts/nuts	
050-0020-01	1	LAN/USB cable Connects LAN/USB port on terminal to eDriveXC cable	
050-0022-01	1	Power cable Connects power port on terminal to power adapter cable	
050-0043-01	1	COM1 cable Connects COM1 port on terminal to switchbox, lightbar/AC110 cable, and antenna cable	

6. Connect the implement's IBBC connector to the retrofit kit's IBBC connector.
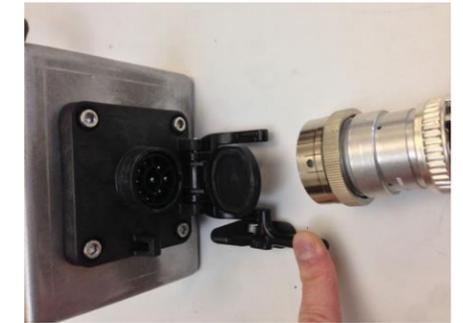
7. Attach the longer leads (at right) of the power cable to the vehicle's battery.

Longer leads
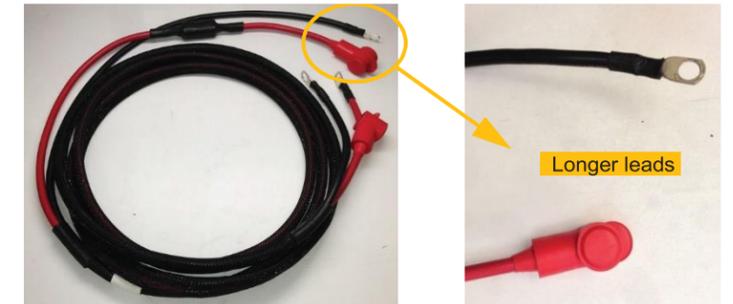
8. Connect the positive ring terminal of the data/relay cable to "KEY ON" of the vehicle's ignition switch so power is applied as you turn on the switch.

Positive ring terminal
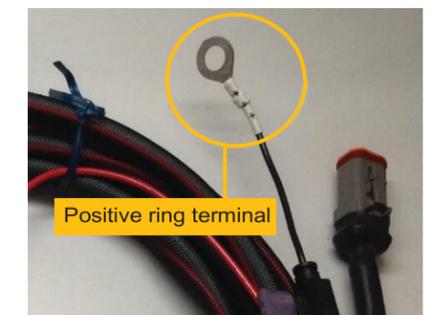
Connecting to a Power Source

Using "REBEL Terminal Overview" on page 13 and "REBEL Connection Diagrams" starting on page 14 as guides, connect the power adapter cable to your preferred power source.

1. Connect the red (+), black (-), and orange (IGN) leads of terminal power adapter cable to a reliable 12 VDC power source as follows:

   Option 1: Connect to the ignition switch—connect red to positive, black to negative, and orange to signal wire.

   Option 2: Connect to the battery—connect red to positive, black and orange to negative.

2. Connect the other end of the terminal power adapter cable to the terminal power cable.

3. Route the terminal power cable into the cab for connection to the power port on the REBEL terminal.

4. Coil excess cable in a protected location then secure the installation with tie straps.

Option 1: Connect to ignition switch

Negative   Positive   Signal Wire

Negative   Positive   Negative

Option 2: Connect to battery

3. Attach the shorter leads of the power cable to the power posts on the IBBC bracket. Replace the washers and nuts then tighten.

Shorter leads

Attach here

Tighten with 9/16" wrench
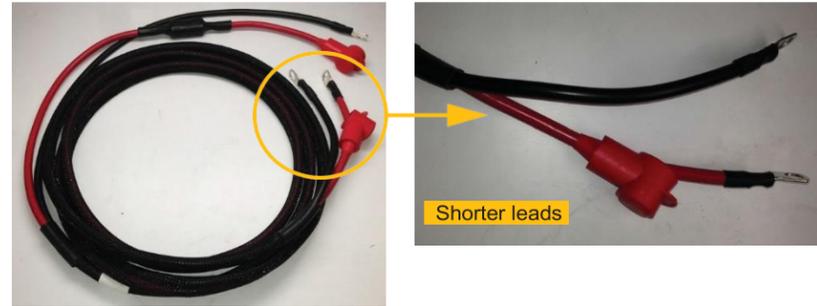
4. Mount the bracket (that holds the IBBC) near the rear of the vehicle where the implement's ISOBUS cable can reach it.

5. Connect the 4-pin Deutsch connector on the retrofit kit to the 4-pin Deutsch connector on the COM2 cable.

ISOBUS cable

Part Number	Qty	Description	Photograph
050-0041-01	1	COM2 cable Connects COM2 port on terminal to foot switch	
050-0045-01	1	Antenna extension cable Connects COM1 cable to antenna	
050-0046-01	1	Power adapter cable Connects power cable to power source	
720-0033-00A	1	Antenna mount	
051-0397-10	1	Adapter Cable	
676-0024-000#	1	Antenna mount adapter	
607-0023-01	1	Switch bracket Use to mount eDriveXC power switch	
520-0022-01	1	USB drive, 8 GB	
484-0002-01	1	Screen protector, 2 pk, with applicator/cleaner	

Optional Upgrades

10" Terminal Kit Contents (optional)

Unpack your 10" terminal kit and identify the parts as shown.

Part Number	Qty	Description	Photograph
752-0006-01	1	10" terminal	
484-0003-01	1	Screen protector kit, 2 pk (10" terminal)	

Lightbar Kit Contents (optional)

Unpack your lightbar kit and identify the parts as shown. See "Installing the Lightbar" on page 1 for instructions on installing the lightbar in your preferred location.

Part Number	Qty	Description	Photograph
806-1036-000#	1	Lightbar	
604-0008-000#	1	Mounting ball	
604-0019-000#	1	Suction cup mounting kit *Note: Use mounting ball 604-0008-000# (above) in place of the mounting ball included with this part (X at right)*	

a. Insert the 2-pin weather pack closest to the negative ring terminal into the relay next to the power posts on the IBBC bracket. Apply enough pressure to snap the plug into the relay.

Insert here

Snap into place

b. Insert the 2-pin weather pack farther from the negative ring terminal into the relay near the IBBC connector on the IBBC bracket. Apply enough pressure to snap the plug into the relay.

Insert here

Snap into place

c. Insert the large 4-pin Deutsch connector into the connector on the rear of the IBBC connector. Apply enough pressure to snap the plug into the connector.

Insert here and snap into place

2. On the IBBC bracket remove the nuts and washers from the power posts then attach the ring terminator from the data/relay cable to the negative power post.

Attach ring terminator here
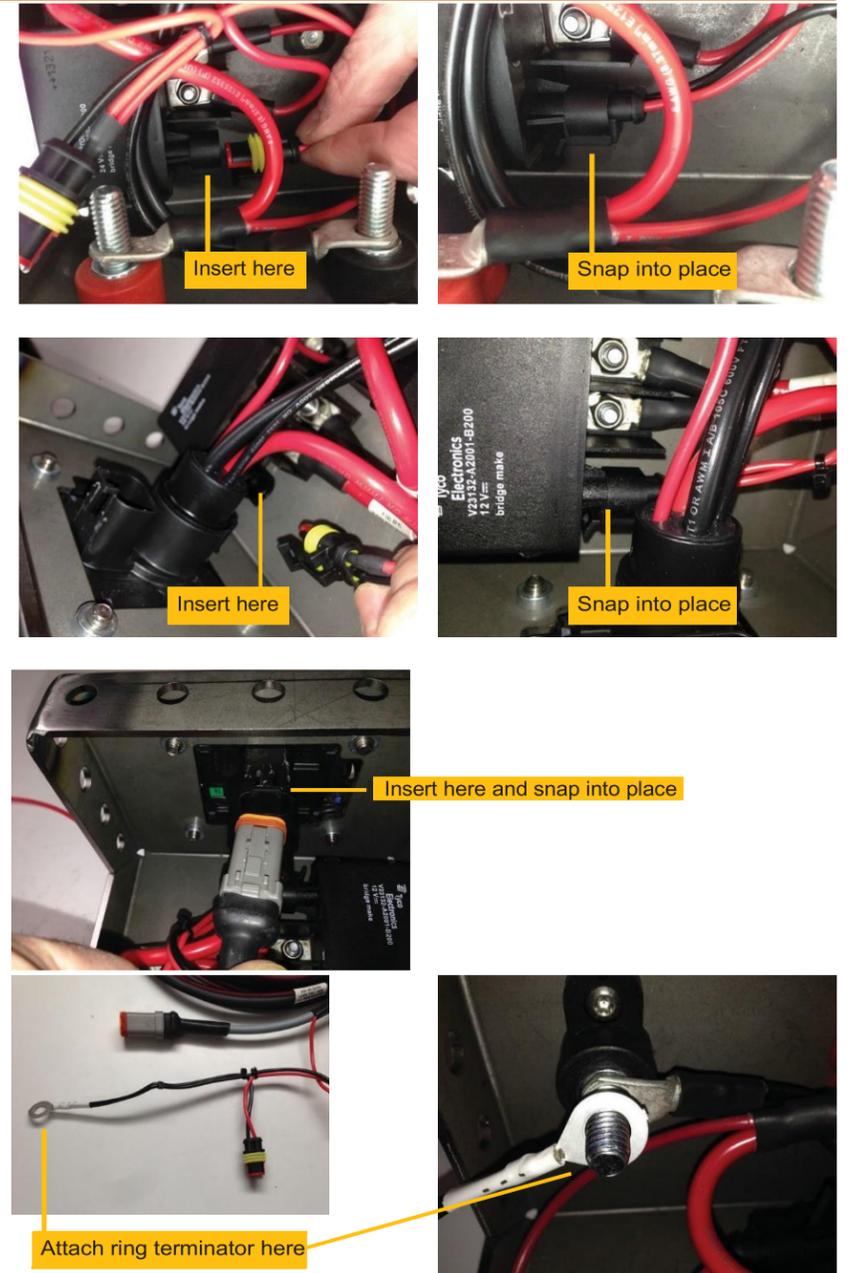
Connecting to Your ISOBUS ECU

If your vehicle is ISOBUS-ready see "ISOBUS-Ready Vehicle Connections" immediately following. If your vehicle is not ISOBUS-ready see "Non ISOBUS-Ready Vehicle Connections" starting further below.

<u>ISOBUS-Ready Vehicle Connections</u>

1. Locate the ISOBUS connector in the tractor cab. Typically, the connector is a 4-pin female Deutsch connector and is found behind the access panel on the right side of the cab.

2. Using "Connection Diagram #2 - With ISOBUS" on page 15 as a guide, connect the 4-pin male Deutsch (ISOBUS) connector on the COM2 cable to the tractor ISOBUS connector.

4-pin male Deutsch connector
(part of COM2 cable)

4-pin female Deutsch connector
(in tractor cab)

If an ISOBUS extension cable is needed (COM2 cable does not reach the tractor ISOBUS connector) or the ISOBUS connector is something other than a 4-pin Deutsch female connector, use the ISOBUS extension cable.

4-pin female Deutsch connector
(part of ISOBUS extension cable)

To ISOBUS connector in cab

4-pin male Deutsch connector (part of COM2 cable)
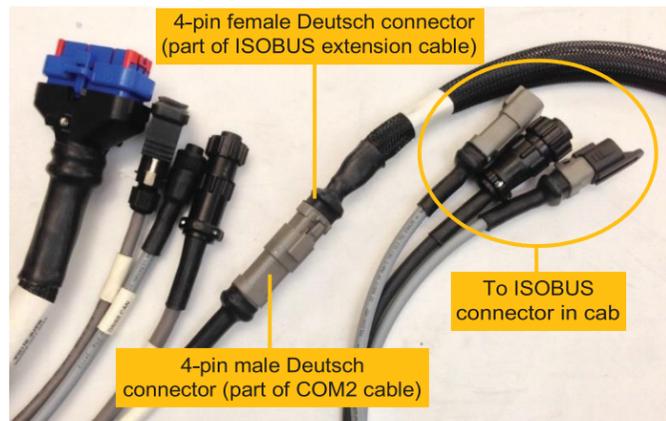
<u>Non ISOBUS-Ready Vehicle Connections</u>

Non ISOBUS-ready vehicles (that do not have an IBBC connector on the back of the vehicle) require a retrofit kit. There are two kits available-each with a bracket and two cables (power cable and data/relay cable). The bracket is the same in each kit; however, the 'Short' kit cables are shorter than the 'Long' kit cables. The power cable connects to the battery and the data/relay cable connects to the 4-pin male Deutsch connector on the COM2 cable or on the ISOBUS extension cable.

Note: Tie straps are included in each retrofit kit—use the straps to secure cables where appropriate.

1. Using "Connection Diagram #2 - With ISOBUS" on page 15 and "Connection Diagram #3 - ISOBUS Retrofit Kit" on page 16 as guides, connect the data/relay cable (there are two different data/relay cables; only the appropriate cable is included in your kit) to the IBBC bracket. You will make three connections, one each in steps a-c below. Use the diagram at right for reference when completing steps a-c.

Step 1c: To connector on rear of IBBC connector

Step 1a: To relay next to power posts on IBBC bracket

Step 1b: To relay near IBBC connector on IBBC bracket

Switchbox Kit Contents (optional)

Unpack your switchbox kit and identify the part as shown. See "Installing the Switchbox" on page 1 for instructions on installing the switchbox in your preferred location.

Part Number	Qty	Description	Photograph
806-1035-000#	1	Switchbox	
604-0019-000#	1	Suction cup mounting kit	

Foot Switch Kit Contents (optional)

Unpack your foot switch kit and identify the parts as shown. See "Installing the Foot Switch" on page 18 for instructions on installing the foot switch in your preferred location.

Part Number	Qty	Description	Photograph
720-0035	1	Run/hold foot switch This kit does not include mounting hardware (such as fasteners)	

RTK Rover Kit Contents (optional)

Unpack your RTK rover kit and identify the parts as shown. See "Installing the Rover Radio" on page 18 for instructions on installing the rover radio.
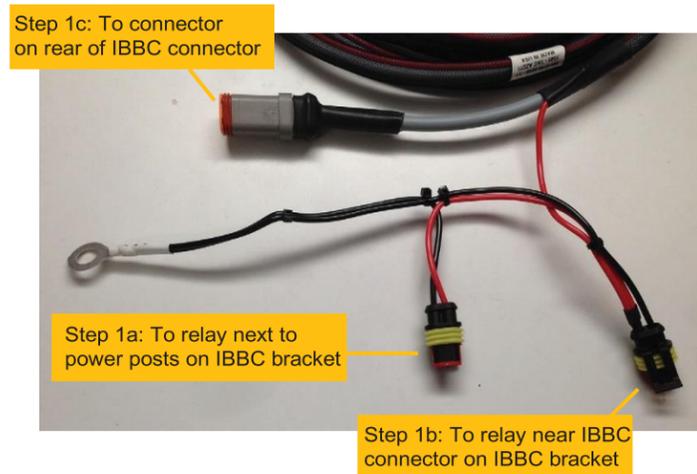
Part Number	Qty	Description	Photograph
050-0044-01	1	RTK cable Connects COM1 cable to antenna and rover radio	
802-106 -000# 802-1075-000#	1 1	Rover radio (400 MHz)* Rover radio (900 MHz)* *Your RTK kit will include one of the rover radios listed above	
601-1136	1	Rover radio mounting plate	
150-0008-000 150-0010-000	1 1	Antenna (for 400 MHz rover radio)* Antenna (for 900 MHz rover radio)* *Your RTK kit will include the antenna that matches your rover radio (400 MHz radio or 900 MHz radio)	
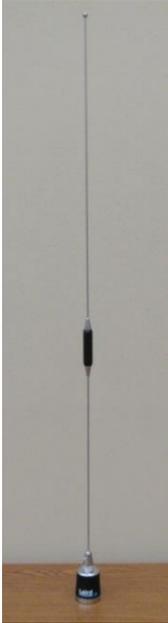
Installing the Lightbar

The lightbar kit includes suction cup mounting hardware (with mounting ball), a separate mounting ball, and an extension cable. Use the separate mounting ball in place of the mounting ball included with the suction cup mounting hardware.

WARNING: *Do not mount the lightbar in a location where it interferes with seeing other information, controls, or the field.*

Using the photos at right install the suction cup mounting hardware on the lightbar then install the lightbar in your preferred location.

Before installation, thoroughly clean the mounting location (such as the inside cab window surface).

1. Attach the mounting ball to the back of the lightbar.
2. Using the two screws included with the suction cup hardware, assemble the suction cup mount.
3. Attach the suction cup mount to the mounting ball on the lightbar then tighten.
4. Press the vacuum mount to the window.
5. Turn the vacuum cup's twist lock counterclockwise to create the seal.
6. Adjust the lightbar to a suitable viewing angle.

Step 1: Attach mounting ball to lightbar

Step 2: Assemble suction cup mount

Mounting ball mount
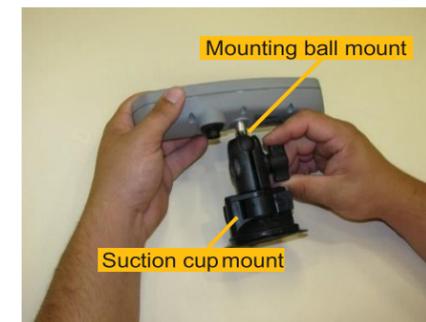
Suction cup mount

Step 3: Attach suction cup mount to mounting ball and tighten

Steps 4/5: Attach suction cup mount to mounting location and tighten

Installing the Switchbox

The switchbox kit includes suction cup mounting hardware similar to the lightbar. Using the photo at right and the lightbar installation photos above as reference, install the switchbox in your preferred location.

MS-10

Routing the Antenna Cable

Adhere to the following when routing the antenna cable:

- Make sure the REBEL terminal is powered off before attaching the cables.
- Do not bend the cable to a radius of less than 6 inches.
- Do not route the cable within 12 inches of radio wires, power generator wires, a heat source, or moving parts.
- Coil excess cable in a protected location and secure the installation with tie straps.

To route the antenna cable:

1. Securely attach one end of the antenna cable to the antenna.
2. Route the cable through a cab opening where rubber protection exists that will protect the cable (see photo at right).
3. Attach the other end of the antenna cable to the terminal (see "REBEL Terminal Overview" on page 13 and "REBEL Connection Diagrams" starting on page 14).

Installing Optional Parts

A camera is not included in your REBEL kit; you must purchase that separately (not sold by Outback Guidance). Follow the camera manufacturer's instructions for installing your cameras.

To install the foot switch, rover radio, lightbar, switchbox, or connect to the ISOBUS ECU see the sections that follow.

Installing the Foot Switch

Use the foot switch as a remote to pause or restart REBEL's mapping/data logging function (similar to pressing Apply on the touchscreen-refer to the Help on the REBEL terminal for more information on the Apply button).

Using "REBEL Terminal Overview" on page 13 and "REBEL Connection Diagrams" starting on page 14 as guides, install the foot switch:

1. Connect the foot switch cable of the COM2 cable to the foot switch.
2. Install the foot switch in an easily accessible position.

Installing the Rover Radio

Mount the rover radio on top of the vehicle cab to ensure line-of-sight to the RTK base station. The bottom of the rover radio includes a built-in magnet for easy placement on the included mounting plate.

1. Clean and dry the vehicle surface where you will attach the rover radio mounting plate.
2. Remove the paper backing from the adhesive strips on the back of the mounting plate (see photo at right).
3. Position the mounting plate and press down hard for proper adhesion.
4. Place the rover radio on the plate.
5. Attach the rover radio antenna to the rover radio, tightening until snug.

Camera Kit Contents (optional)

Unpack your camera kit and identify the parts as shown. Contact your dealer for supported camera models.

Part Number	Qty	Description	Photograph
050-0021-01	1	LAN/USB cable Connects LAN/USB port on terminal to eDriveXC/XD cable and camera	

ISOBUS Cable Kit Contents (optional)

Unpack your ISOBUS cable kit and identify the parts as shown. See "Connecting to Your ISOBUS ECU" on page 20 for instructions on connecting this cable.

Part Number	Qty	Description	Photograph
050-0042-01	1	COM2 cable Connects COM2 port on terminal to ISOBUS extension cable and foot switch	

ISOBUS Extension Cable Kit Contents (optional)
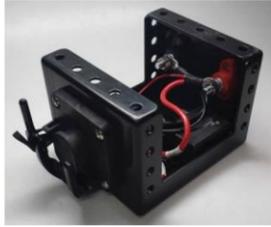
Unpack your ISOBUS extension cable kit and identify the parts as shown. See "Connecting to Your ISOBUS ECU" on page 20 for instructions on connecting this cable.

Part Number	Qty	Description	Photograph
054-0197-000#	1	ISOBUS extension cable Connects the ISOBUS connector on ISOBUS cable to the ISOBUS connector on your vehicle	

ISOBUS Retrofit Kit Contents for Non-ISO-Ready Vehicles (optional)

Unpack your ISOBUS retrofit kit and identify the parts as shown. There are two kits available-each with the same bracket but different cables (the 'Short' kit cables are shorter than the 'Long' kit cables). See "Connecting to Your ISOBUS ECU" on page 20 for instructions on installing the ISOBUS retrofit kit.

Part Number	Qty	Description	Photograph
750-0161-000	1	IBBC bracket Included in both 'Short' and 'Long' kits	
054-0192-000#	1	Power cable, 12 ft ('Short' kit)*	
054-0193-000#	1	Power cable, 21 ft ('Long' kit)*	
		*Your kit includes one of the above cables	
054-0194-000#	1	Data/relay cable, 10 ft ('Short kit)*	
054-0195-000#	1	Data/relay cable, 20 ft ('Long' kit)*	
		*Your kit includes one of the above cables	

Installing REBEL

Note: *Proper installation is critical for safe and optimal REBEL operation.*

The following steps represent typical installation order; however, install components in your preferred order.

1. Install your autosteering controller (eDriveXC or eDriveXD). See the installation instructions included with your autosteering controller kit.
2. Install the optional rate/section control controller (AC110). See the installation instructions included with your rate/section controller kit.
3. Install other optional parts (foot switch, lightbar, switchbox) then route the appropriate cables into the cab for connection to the terminal.
4. Mount the antenna.
5. Install the terminal mounting hardware both in the cab and on the terminal.
6. Connect the appropriate cables to the terminal.
7. Connect the terminal to the mounting hardware.

Mounting the Antenna

You should install the antenna on the vehicle's left/right centerline and front/back pivot point. If you cannot install the antenna at the exact centerline and/or pivot point, refer to REBEL Help installed on your terminal for instructions on entering offsets for these values.

Do not place the antenna within two feet of a transmitting radio antenna (such as for a 2-way or business band radio).

1. Clean and dry the vehicle surface where you will attach the antenna mounting plate.
2. Remove the paper backing from the adhesive on the back of the mounting plate (see photo at right).
3. Position the mounting plate and press down hard for proper adhesion.

4. Attach the antenna to the antenna mounting base (see photo at right).

   Note: The photo at right shows the plastic wrapping still on the magnetic mount. Before placing the antenna and mount on the vehicle in the next step, remove the plastic wrapping from the mount.

5. Place the magnetic mounted antenna on the plate and on the vehicle's centerline and pivot point.

Connection Diagram #3 - ISOBUS Retrofit Kit
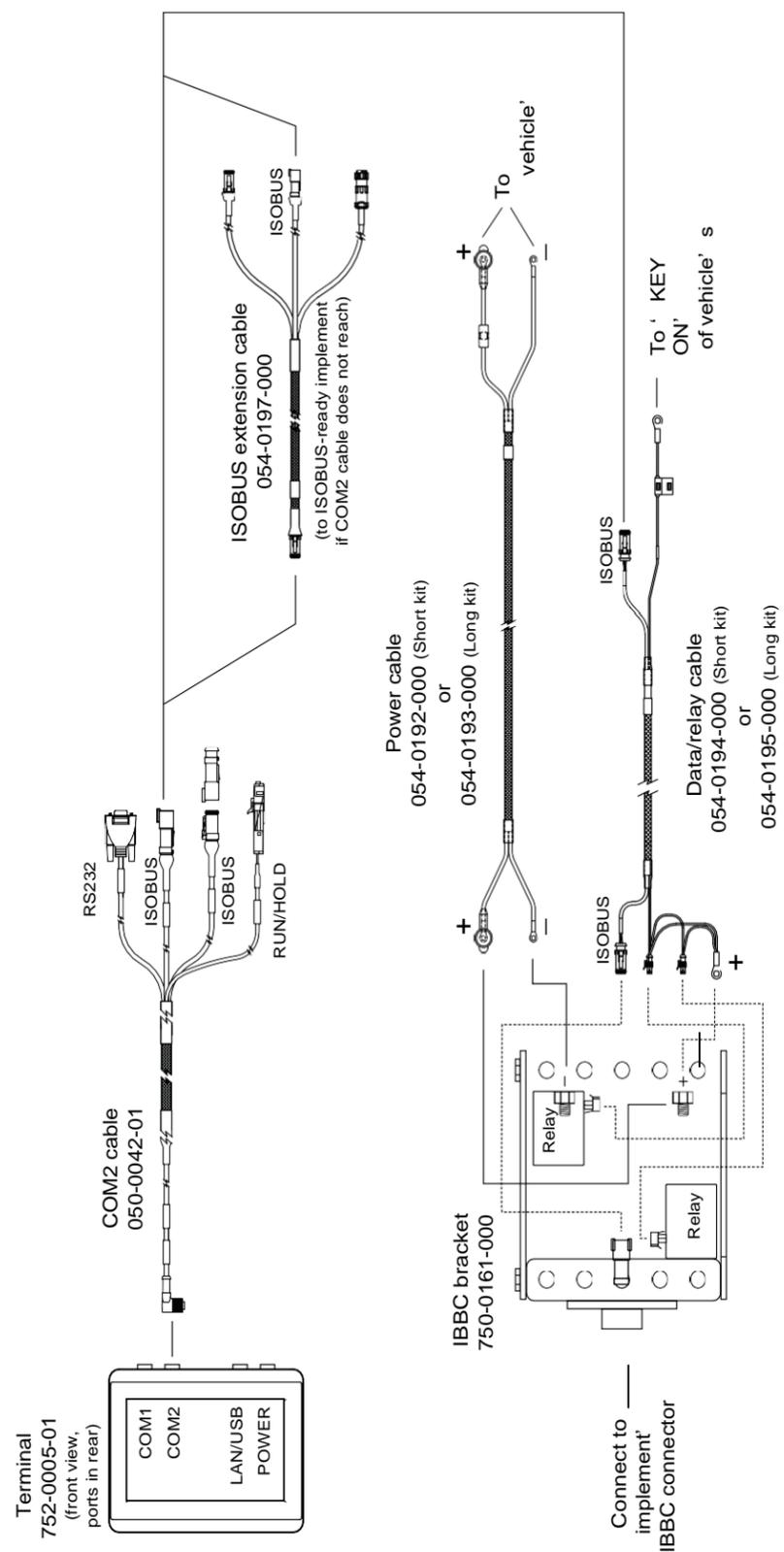
REBEL Terminal Overview

The following table shows the front and rear views of the REBEL terminal and describes each numbered feature.

Item	Description	Views
1	Touchscreen	
2	USB port	
3	Power button	
4	Wi-Fi antenna	
5	Mounting ball area	
6	COM1 port	
7	COM2 port	
8	LAN/USB port	
	Power port	

EREBEL™

REBEL Connection Diagrams
Connection Diagram #1 - Without ISOBUS

A222 Antenna
Basic 940-2188-10
RTK 940-2189-10

Rover radio 400 MHz
802-1069-000
or
Rover radio 900 MHz
802-1075-000

A222 Adaptor Cable
051-0397-10

eDriveXD
910-1063-000
or
eDriveXC
910-1064-000

A222

A222

ROVER

Antenna extension cable
050-0045-01

Antenna extension cable
050-0044-01

ANT EXT

ANT EXT

eDriveXD/XC main cable
050-0016-01
(included with autosteering kit)

AC110
(purchased separately,
not shown in Optional
Upgrades section)

GNSS
VALVES
TERMINAL
EXT_POWER
RMT_ENGAGE
PWR_SWITCH
USB

Lightbar/AC110 cable
051-0067-005
(purchased separately,
not shown in Optional
Upgrades section)

RS232
GSI
GNSS

REBEL, Serial, GSI
050-0094-01

Foot switch
720-0035
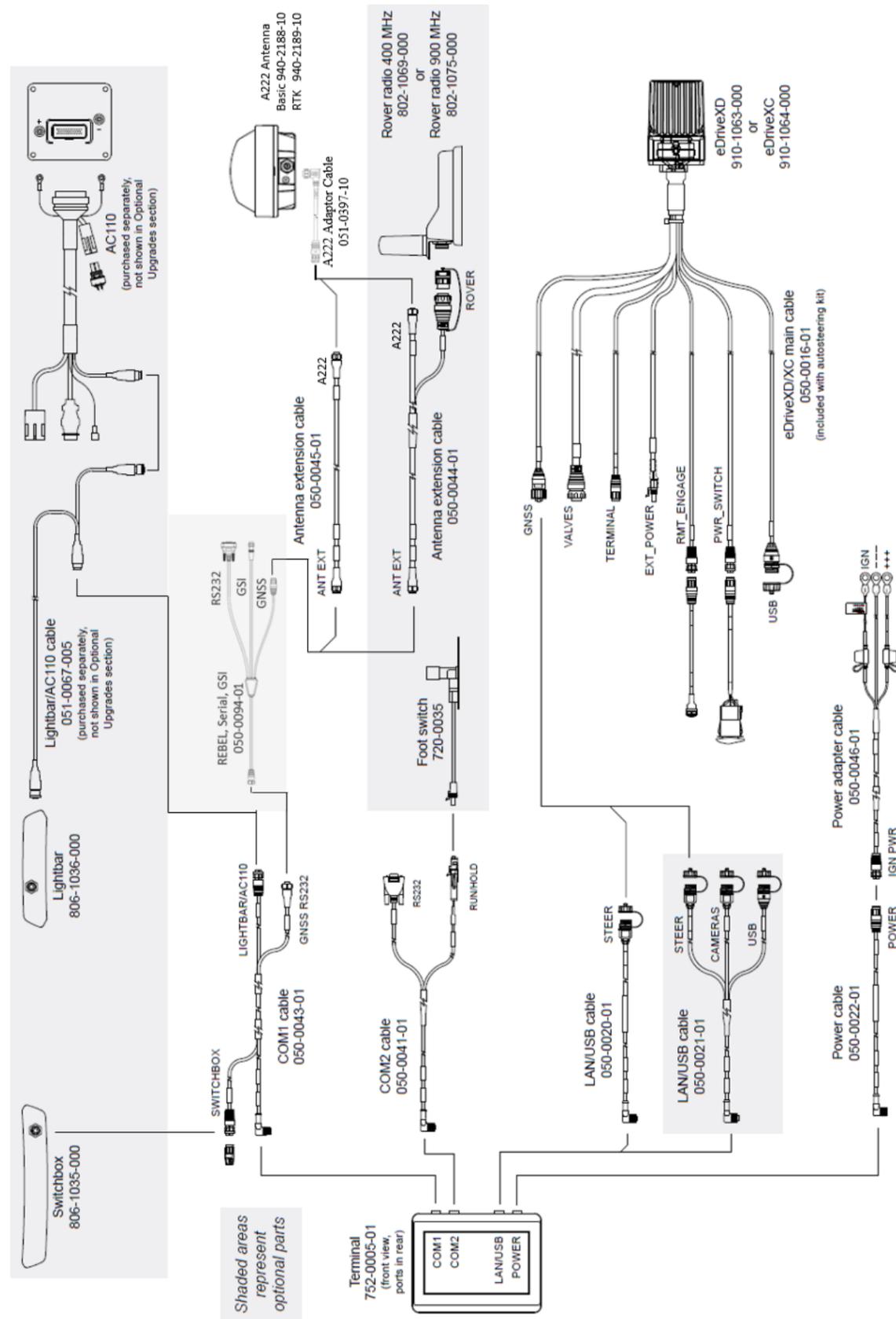
IGN
IGN PWR
POWER

Power adapter cable
050-0046-01

Lightbar
806-1036-000

LIGHTBAR/AC110

GNSS RS232

RS232

RUNHOLD

STEER

STEER
CAMERAS
USB

IGN
IGN PWR
POWER

Power cable
050-0022-01

SWITCHBOX

COM1 cable
050-0043-01

COM2 cable
050-0041-01

LAN/USB cable
050-0020-01

LAN/USB cable
050-0021-01

Switchbox
806-1035-000

*Shaded areas
represent
optional parts*

Terminal
752-0005-01
(front view,
ports in rear)

COM1
COM2
LAN/USB
POWER

EREBEL™

Connection Diagram #2 - With ISOBUS

Rover radio
910-0048-01 (400 MHz)
or
910-0046-01 (900 MHz)

A222 Antenna
Basic 940-2188-10
or
RTK 940-2189-10

A222 Adaptor Cable
051-0397-10

ISO-Ready Implement
(to ISOBUS connector
in tractor cab)
or
Non ISO-Ready Implement
(to ISOBUS Retrofit Kit,
see Connection Diagram #3)

eDriveXD
910-1063-000
or
eDriveXC
910-1064-000

ROVER

A222

Antenna extension cable
050-0044-01

Antenna extension cable
050-0045-01

A222

ANT EXT

ANT EXT

ISOBUS extension cable
054-0197-000

(to ISOBUS-ready implement
if COM2 cable does not reach)

eDriveXD/XC main cable
050-0016-01
(included with autosteering kit)

AC110
(purchased separately, not shown
in Optional Upgrades section)

GNSS
VALVES
TERMINAL
EXT_POWER
RMT ENGAGE
PWR_SWITCH
POWER SWITCH
USB

Lightbar/AC110 cable
051-0067-005
(purchased separately,
not shown in Optional
Upgrades section)

RS232
GSI
GNSS

REBEL, Serial, GSI
050-0094-01

Foot switch
720-0035

IGN
IGN PWR
POWER

Power adapter cable
050-0046-01

Lightbar
910-2048-000

LIGHTBAR/AC110

GNSS RS232

RS232
ISOBUS

ISOBUS
RUNHOLD

RS232

RUNHOLD

STEER

STEER
CAMERAS
USB

IGN
IGN PWR
POWER

Power cable
050-0022-01

SWITCHBOX

COM1 cable
050-0043-01

COM2 cable
050-0042-01

COM2 cable
050-0041-01

LAN/USB cable
050-0020-01

LAN/USB cable
050-0021-01

Switchbox
910-2049-000

*Shaded areas
represent
optional parts*

Terminal
(front view,
ports in rear)

COM1
COM2
LAN/USB
POWER