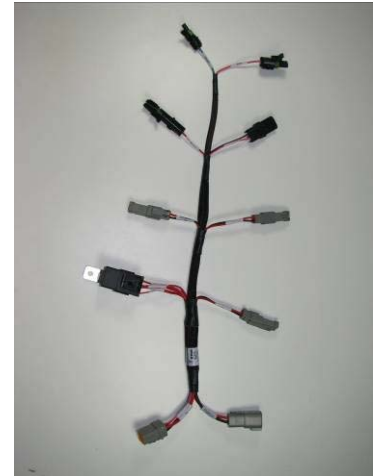


Tech Tips

Date: September 21, 2010

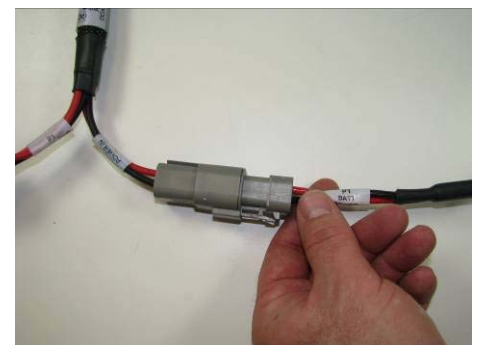
Re: CFX-750 Power Bus Installation and Configuration Options

Description: The power bus (PN 67259) was developed to provide a clean power source to the CFX-750, EZ-Steer and other connected components. The power bus also allows for multiple switching options for turning on the EZ-Steer.



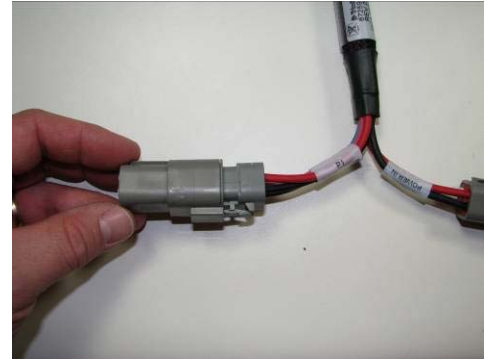
Basic cable (PN 67258) and power bus (PN 67259) installation:

1. Clean the battery connection.
Connect the basic power cable (PN 67258) to the vehicle battery and then route the cable into the cab. Be sure both the power and the ground are connected.
2. Connect the 4-pin Deutsch DTP plug (P1) of the basic power cable (PN 67258) to the 4-pin Deutsch DTP receptacle (R1) on the power bus (PN 67259).

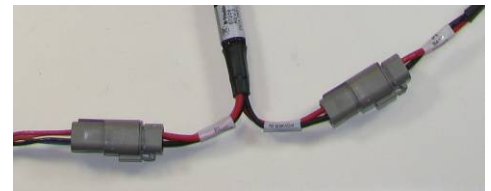


Connect the CFX-750 using cable PN 77282 to the power bus (PN 67259)

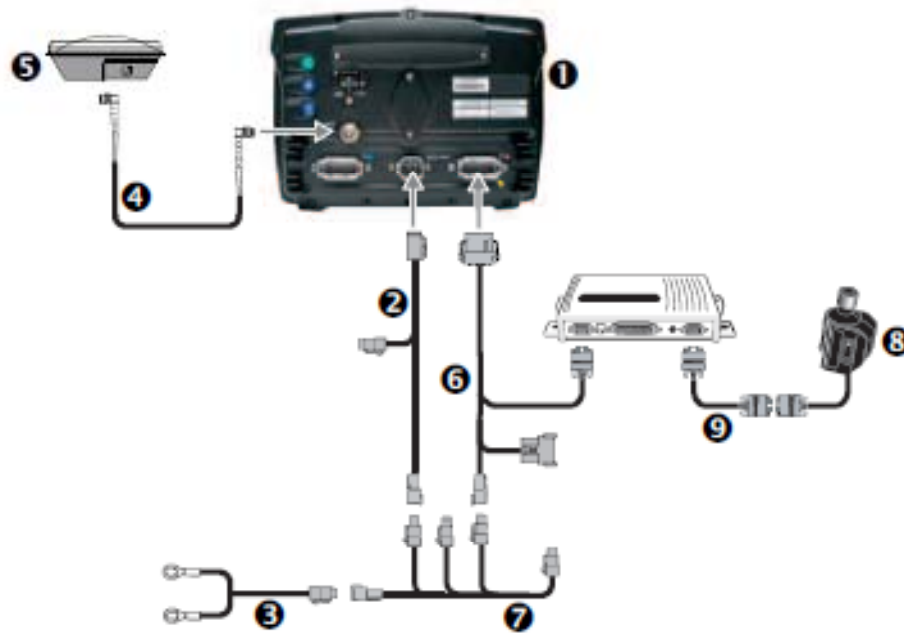
1. Remove the protective receptacle from connector P1 on the power bus (PN 67259).



2. Connect the 4-pin Deutsch DTP receptacle (R1) on the CFX-750 power cable (PN 77282) to the 4-pin Deutsch DTP connector P1 on the power bus (PN 67259).



3. Route the CFX-750 power cable (PN 77282) to the display mounting location and then connect it to the back of the CFX-750.



Item	Description	Trimble part number
1	CFX-750 display	94100-01
2	CFX-750 power cable	77282
3	CFX-750 basic power cable	67258
4	8 m GPS TNC/TNC RT angle cable	50449
5	Ag25 GNSS antenna	77038-00
6	CFX-750 to EZ-Steer cable	75742
7	CFX-750 power cable with relay and switch (power bus)	67259
8	EZ-Steer motor	53058-00
9	EZ-Steer motor cable	62257

EZ-Steer Power switching options:

The power bus (PN 67259) provides different options for turning on the EZ-Steer.

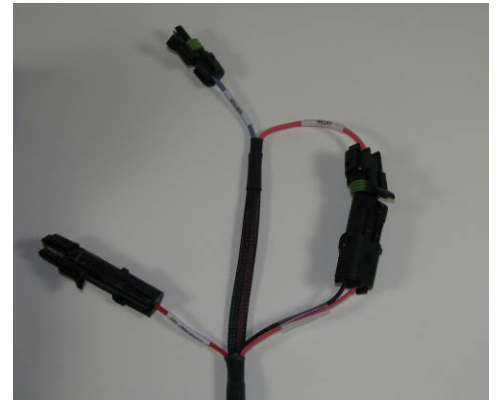
Option 1: The EZ-Steer is turned on using the CFX-750 power button. (Recommended)

Option 2: An external switch turns on the EZ-Steer.

Option 1: The EZ-Steer is turned on using the CFX-750 power button (Recommended)

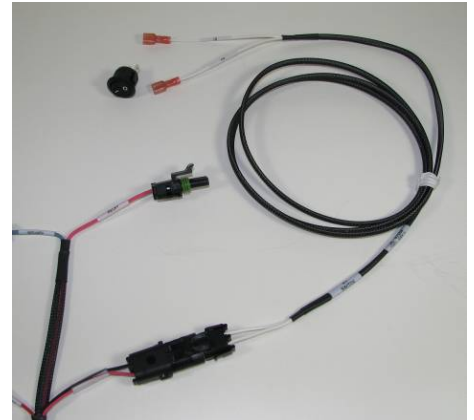
Note: When using this option there will be some parts left over that won't be used

1. Connect the two-pin connectors labeled R2 and P2 on the power bus (PN 67259).
2. To connect the EZ-Steer to the power bus, take cable PN 75742 and connect R3 (power) to P4 or P5 or P6 on the power bus (67259). Then connect P1 on PN 75742 to Port A or Port B on the back of the CFX-750.
3. Connect R2 on cable PN 75742 to the Steering Control Module (often called the T2 box) to connect to the EZ-Steer.



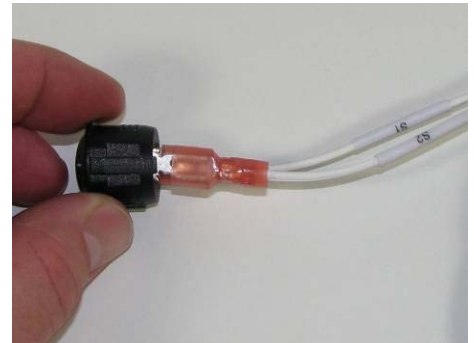
Option 2: An external switch turns on the EZ-Steer.

1. Connect the cable labeled R7 Switch (included with the power bus) to connector labeled P2 on the power bus.
2. Drill a $\frac{3}{4}$ " hole where you will install the switch. Route the cable labeled R7 Switch to that location.



3. Connect the cable labeled R7 Switch to the switch pins.

Note: Polarity is not important.



Connecting additional components to the power bus

The power bus has three Deutsch DT plugs that can supply power to three components. An adaptor cable is required to adapt the DT plug to the Deutsch DTM connector used on many components.