

Cummins PCC 2100 V3 One Link Install

Parts list:

- | | |
|-----------------------------------|---|
| (1) One Link with magnetic mounts | (1) Battery wiring harness with inline fuse |
| (1) 4G LTE antenna/GPS antenna | (1) OLSC005 serial cable |
| (2) Lever wire connectors | (2) Zip ties |

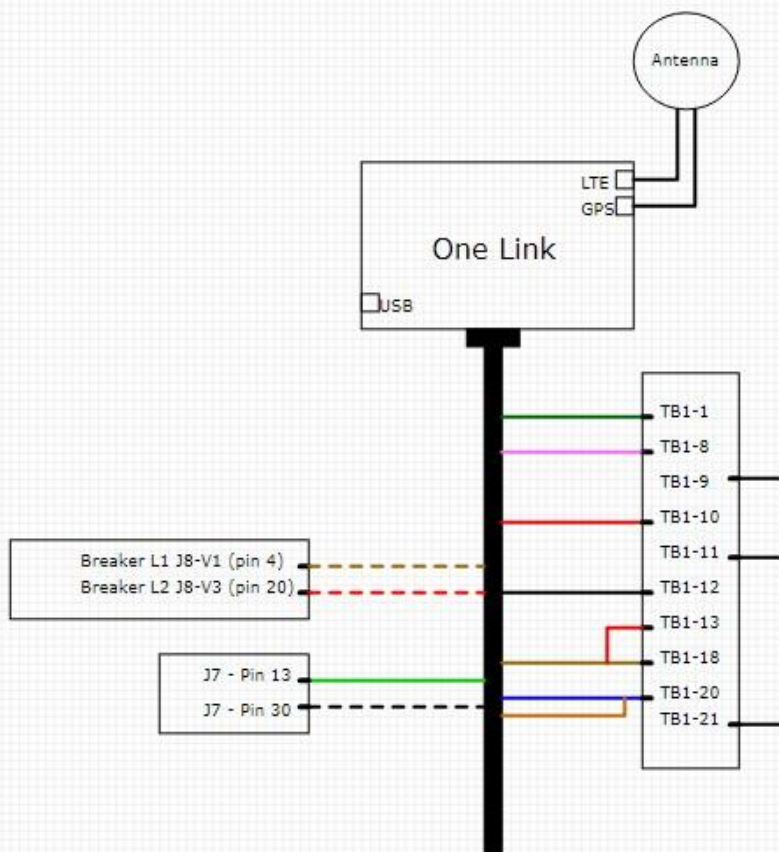
Installation Instructions:

1. Put the generator in stop mode.
2. Disconnect the positive battery terminal. (**Do not reconnect the positive battery terminal until step 19.**)
3. Using the magnetic mounts, mount the One Link inside of the generator enclosure close to the controller. (**Be sure the mounting location is away from weather exposure.**)
4. Connect the ring connector on the bare **red** wire of the battery wiring harness to the positive (+) battery terminal.
5. Connect the ring connector on the bare **black** wire of the battery wiring harness to the negative (-) battery terminal.
6. Route the **brown** wire, **orange** wire, and **blue** wire from the One Link I/O cable to the battery wiring harness installed in steps 4 and 5.
7. Using one of the included lever wire connectors, connect the bare **black** wire from the battery wiring harness to the **blue** wire and **orange** wire from the One Link I/O cable.
8. Using one of the included lever wire connectors, connect the bare **red** wire from the battery wiring harness to the **brown** wire from the One Link I/O cable.
9. Route the following wires from the One Link I/O cable to the back of the Cummins PCC 2100 Control Panel:
 - a. Connect the **green** wire to TB1-1.
 - b. Connect the **pink** wire to TB1-8.
 - c. Connect the **red** wire to TB1-10.
 - d. Connect the **black** wire to TB1-12.
 - e. Connect the **light green** wire to J7 pin 13.
 - f. Connect the **black** wire with white stripe to J7 pin 30.
10. Place a jumper from TB1-9 to the negative battery terminal. (Place this wire in the same lever connector as the **blue** wire and **orange** wire.)

11. Place a jumper from TB1-11 to the negative battery terminal. (Place this wire in the same lever connector as the blue wire and orange wire.)
12. Place a jumper from TB1-13 to the positive battery terminal. (Place this wire in the same lever connector as the brown wire.)
13. Route the brown wire with white stripe from the One Link I/O cable to L1 on the breaker.
14. Route the red wire with the white stripe from the One Link I/O cable to L2 on the breaker.
15. Mount the LTE/GPS antenna on the top of the generator.
16. Connect the LTE antenna cable to the top connector on the right side of the One Link.
17. Connect the GPS antenna cable to the bottom connector on the right side of the One Link.
18. Plug the 15 pin connector into the bottom of the One Link, and tighten both screws using a flathead screwdriver.
19. Reconnect the positive battery terminal to the battery.

At this time the One Link will power up and begin communicating with the generator. Please allow 5-10 minutes for the One Link to establish a connection to the internet, and then check the activation screen or your One Link account to ensure the generator's vitals update and the One Link is transmitting data.

Cummins 2100 (Stationary)



TITLE: Cummins 2100 (Stationary)		REV: 1.0
	Company: Zabatt Power Systems	Sheet: 1/1
	Date: 2021-11-03	Drawn By: Yong Kim

PCC2100 Wiring One Link V3					
One Link		Old Gray I/O Cable	New Black I/O Cable	Generator	
Description	One Link Function	Color	Color	Location	Generator Function
Battery +	Battery +	Red	Brown	Battery +	Battery +
Battery -	Battery -	Black	Blue	Battery -	Battery -
K1COM	K1COM	Red/White Stripe	Orange	Battery -	Remote Start
K1NO	K1NO	Red/Black Stripe	Green	TB1 - 1	
K2COM	K2COM	Orange	Yellow		
K2NC	K2NC	Orange/Black Stripe	Gray		
DI1	Close to Ground	Black/White Stripe	Pink	TB1 - 8 (TB1-9 needs to be jumped to ground)	Common Warning
DI2	Close to Ground	Blue/Black Stripe	Red	TB1 - 10 (TB1-11 needs to be jumped to ground)	Common Shutdown
DI3	Close to Batt +	Blue/White Stripe	Black	TB1 - 12 (TB1-13 needs to be jumped to Batt +)	Not in Auto
DI4	Close to Batt +	Blue	White		
DI5	Close to Batt +	Green/Black Stripe	Purple		
A1	0-5V	Green	Light Green	J7 - Pin 13	Oil Pressure
A2	0-5V	Green/White Stripe	Black/White Stripe	J7 - Pin 30	Coolant Temp
L1	AC Voltage L1	White	Brown/White Stripe	Breaker L1	240v AC Voltage Sensing(Includes Hz and RPM)
L2	AC Voltage L2	White/Black Stripe	Red/White Stripe	Breaker L2	240v AC Voltage Sensing(Includes Hz and RPM)