



WIRE CHANGE FOR 50AMP POWER CONTROL SYSTEM ON BRINKLEY MODEL G 5TH WHEELS

Recall Number:	Brinkley RV ID: PCI-2023-01; NHTSA Recall No. 23V-664		
Product:	Power Control System		
Date:	September 28,2023	Labor Rate:	1.0 hours

PURPOSE

This document refers to Brinkley Model G Series 5th Wheels and the requirement to replace the 10-gauge white wire with a larger 6-gauge white wire in the energy management Power Control System. This will be done by replacing the complete box assembly that houses the wiring.

NOTE: IT IS IMPORTANT THAT ALL NEW PARTS ARE ORDERED USING KIT PN 00-10024T950. UTILIZE ALL NEW PARTS. DO NOT REUSE THE OLD PARTS, EVEN IF THE OLD PARTS DO NOT APPEAR TO BE COMPROMISED.

It is suspected that when all electrical equipment is utilized simultaneously in the Brinkley RV Model G recreational vehicles, the max amperage on the Power Control System could exceed the maximum NEC rating of the 10-gauge wiring currently used in the assembly. After conducting laboratory testing instructed by the max amperage output of a Brinkley Model G (37 Amps), the wiring is sized correctly for the application. However, since the overall RV electrical system is rated at 50 Amps and to comply with the specified 50 Amp system, the wiring should be changed to 6 gauge to ensure code compliance. As a result, Precision Circuits has elected to replace the Power Control System assembly which includes the wiring in question on the Brinkley Model G 5th Wheel units. This will affect dealer inventory as well as retail owned vehicles. See the specific affected VIN's in the table below.

Below you will find work instructions, parts ordering information and details to file a Pre-Authorization to claim for reimbursement. Within the next couple of days, Brinkley representatives may call your dealership to help facilitate parts ordering. Communication will be provided to retail customers, and we ask that you provide priority scheduling to perform the Recall. Precision Circuits and Brinkley have technical service teams available to help you, should you need it.

LASTLY AS PART OF THE INVESTIGATION, WE ASK THAT YOU RETURN YOUR OLD POWER CONTROL SYSTEM ASSEMBLY BACK TO PRECISION CIRCUITS USING THE INCLUDED UPS RETURN LABEL IN THE KIT.



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PART TO ORDER: **PN 00-10024T950**

DESCRIPTION: BRINKLEY MODEL G PCI-2023-01 Recall

VIN Information

Units with VIN ending in 000157 and Higher are not affected by this Recall.

Please submit all orders with the Brinkley VIN via the Brinkley Portal. Any questions can be directed to Parts@BrinkleyRV.com.

One Assembly **PN 00-10024T950** is required to perform the Recall.

PRIOR AUTHORIZATION REQUIRED THROUGH BRINKLEY RV.

BRV Flat Rate Code: 900001

Affected Vehicle Identification Numbers (ending with)
000004
000006-000010
000012-000121
000123-000129
000132
000134-000136
000138-000144
000146-000153
000156

CLAIM REIMBURSEMENT PROCESSING:

All completed work orders with requests for reimbursement, including any freight expenses, should be submitted to Brinkley via the Brinkley Portal. Any questions can be directed to VCB-Claims@BrinkleyRV.com.

REQUIRED INFORMATION FOR IMMEDIATE REIMBURSEMENT PROCESSING INCLUDES:

Full 17-digit VIN, Retail Name if retail sold, Dealer Name, address, phone number, dealer hourly labor rate and a work order detailing the work performed and labor time. Additionally, the recalled Power Control System must be returned to Precision Circuits utilizing the provided return label.

Claims submitted with all requested information are issued payment within 30 days.



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Return Shipping Address:

Parts being replaced are to be returned to:

Precision Circuits Inc.
2538 Wisconsin Ave.
Downers Grove, IL 60515
Attn: Brinkley Recall

SAFETY

This document provides general instructions. Many variables can change the circumstances of any procedure, i.e. the degree of difficulty involved in the service operation and the ability level of the individual performing the operation. This document cannot begin to plot out procedures for every possibility, but will provide the general instructions for effectively installing, removing or servicing the system. In the event the skill level required is too advanced or the procedure too difficult, a certified technician should be consulted before performing the necessary operation. Failure to correctly install, remove or service the system may result in voiding warranty, inflicting injury or even cause death.



The "WARNING" symbol above is a sign that a procedure has a safety risk involved and may cause death, serious personal injury, severe product and/or property damage if not performed safely and within the parameters set forth in this document.



The "CAUTION" symbol above is a sign that a procedure has a safety risk involved and may cause personal injury, product and/or property damage if not performed safely and within the parameters set forth in this document.



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RESOURCES REQUIRED

- Recall Replacement Power System Control Assembly – PN 00-10024T950
- Cordless Electric drill or screw gun
- Appropriate drive bits
- Appropriate Screw Drivers
- Wire strippers
- Torque driver



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NOTE: ALL WORK MUST BE PERFORMED BY A CERTIFIED ELECTRICIAN, ELECTRICAL TECNICIAN, OR RV TECHNICIAN TO RECEIVE REIMBURSEMENT AND TO MAINTAIN THE PROVIDED RV WARRANTIES.

Removal of Old Power Control System (PCS) Assembly

⚠ WARNING

THE REPLACEMENT OF THE POWER CONTROL SYSTEM SHOULD ONLY BE PERFORMED BY A LICENSED ELECTRICIAN, AN ELECTRICAL TECHNICIAN OR AN RV TECHNICIAN. THE WORK TO BE PERFORMED CARRIES THE RISK OF ELECTRIC SHOCK. DISCONNECT INCOMING POWER BEFORE PERFORMING THE WORK OUTLINED BELOW. UNPLUG THE UNIT FROM SHORE POWER AND ENSURE THE BATTERY DISCONNECTS ARE IN THE OFF POSITION. ALWAYS TEST WIRING FOR POWER PRIOR TO TOUCHING OR ATTEMPTING TO CONNECT OR DISCONNECT ANY WIRING. FAILURE TO HEED THESE WARNINGS COULD RESULT IN ELECTRICAL SHOCK, SERIOUS INJURY, OR EVEN DEATH.



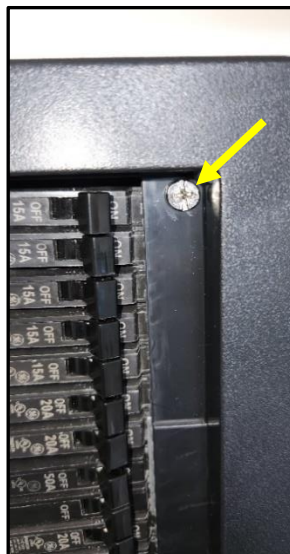
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1. Locate the Power Distribution Panel behind the Kitchen Cabinet.



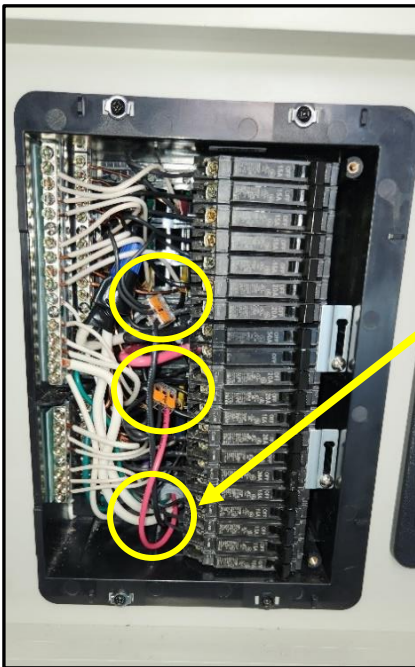
2. Open the door of the Power Distribution Panel and loosen the screws (2) on the door and slide the cover panel to the left to remove the front cover.



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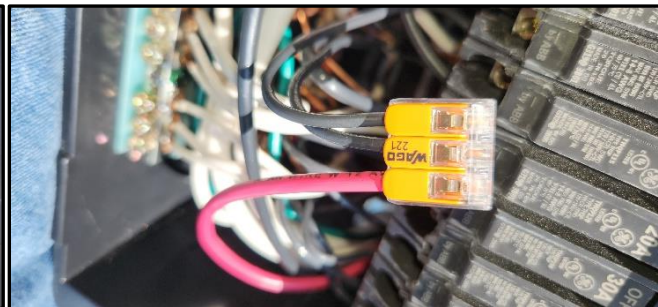
- Remove the 12-gauge black wire and red wire from Wago Connectors for wires connecting to the Power Control System.



This is where the Power Control System wires enter into the panel from back of the power distribution center.



A close up of the top circle in the above photo.

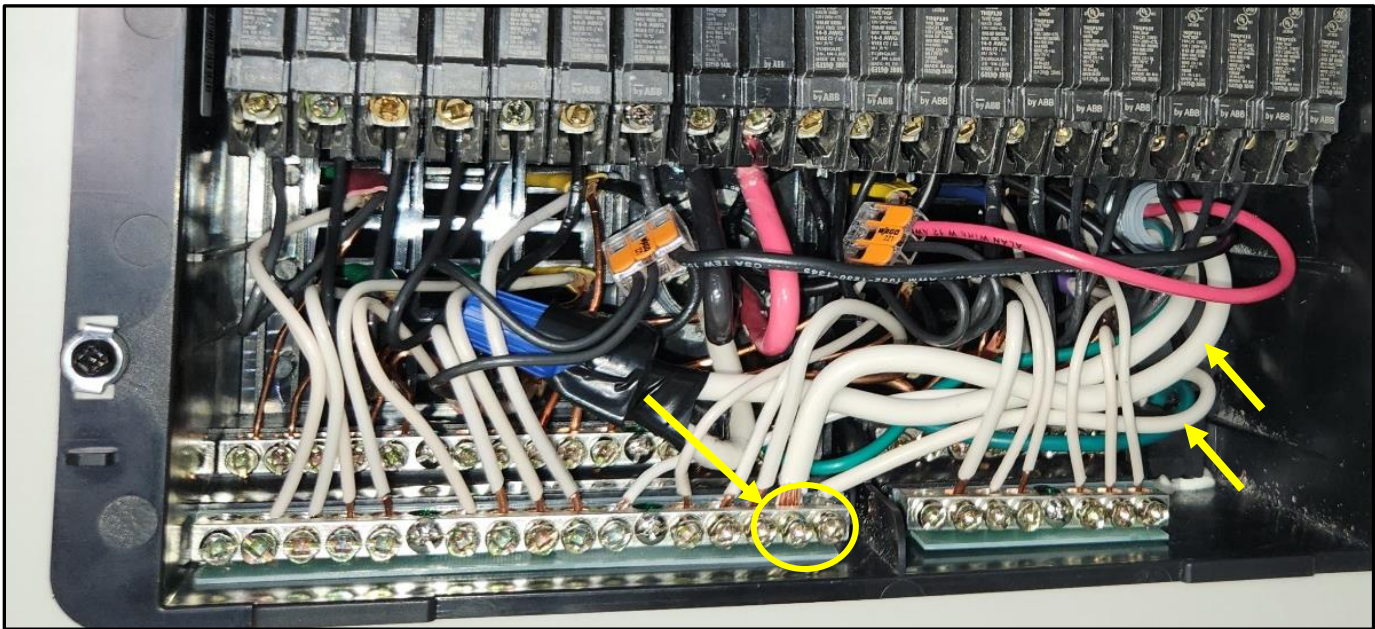


A close up of the middle circle in the above photo.

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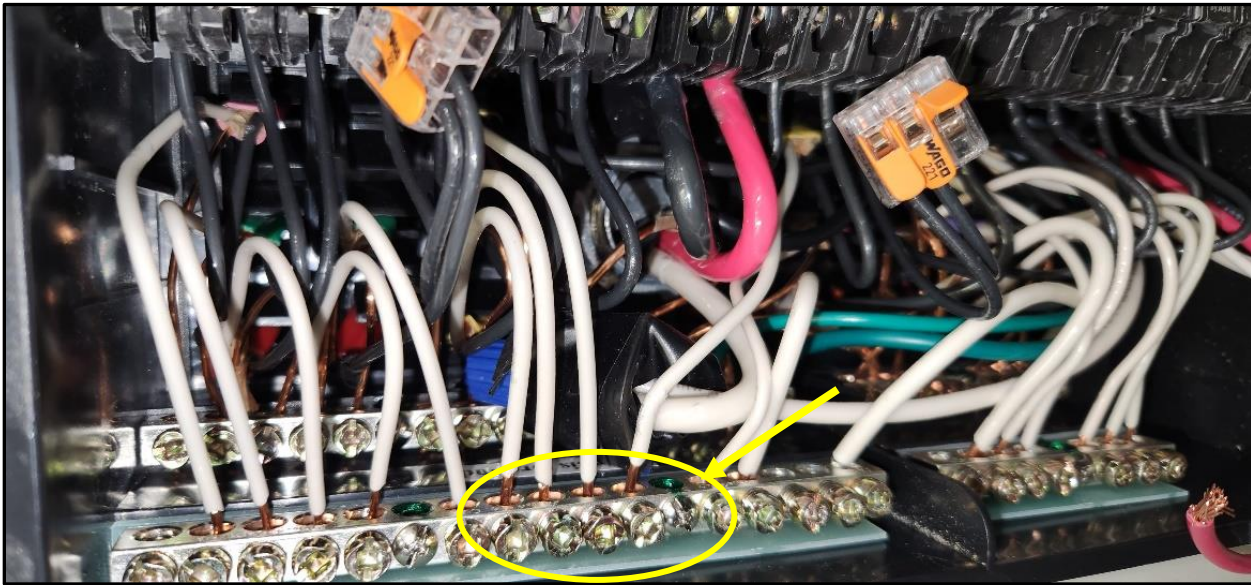
4. Loosen the screws for the neutral wires going to Power Control System (2) and pull the wires out of buss bar.



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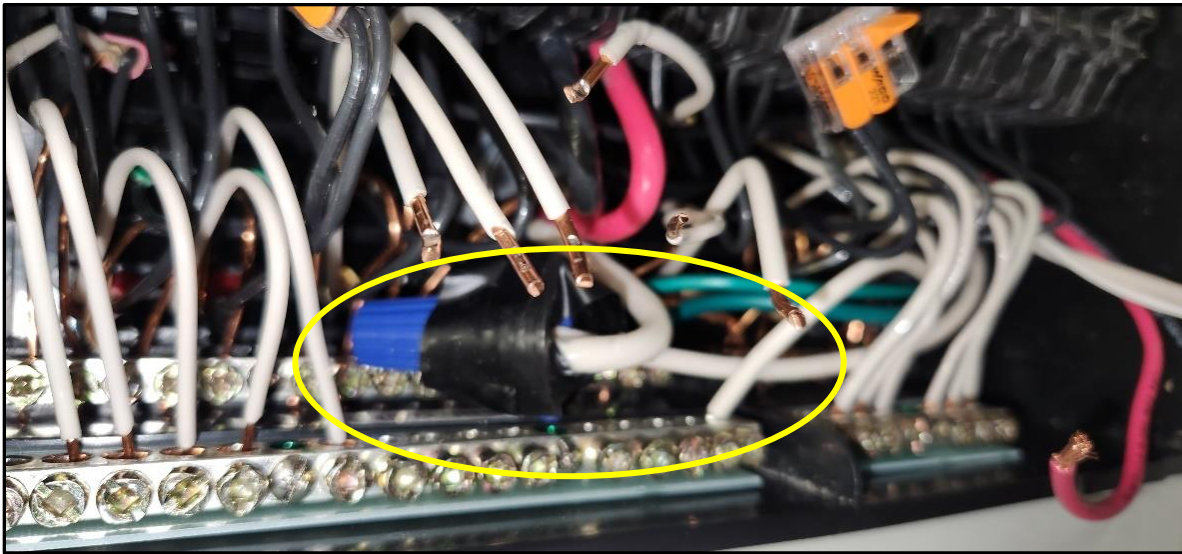
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5. Loosen the screws for the other neutral wires that are in front of blue wire nut and pull the wires out of the buss bar. Move the removed neutral wires out of the way to gain access and remove the blue wire nut.

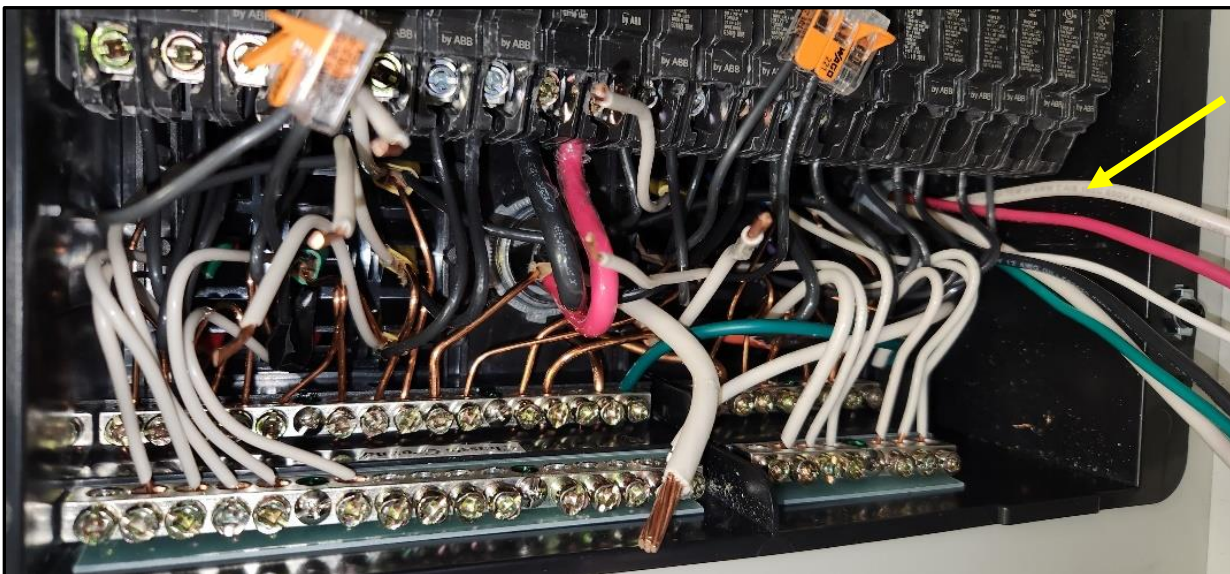


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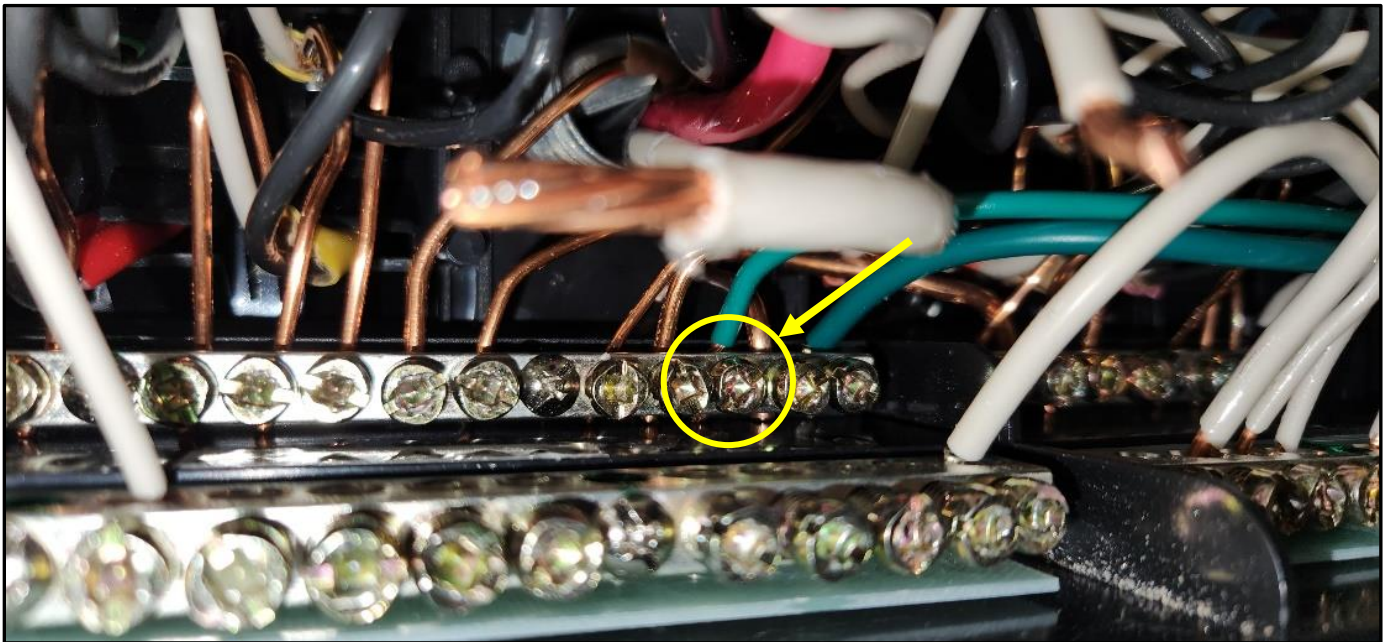
6. Loosen and remove the blue wire nut and tape and pull the white #10 wire out towards the inlet of the Power Control System wiring.



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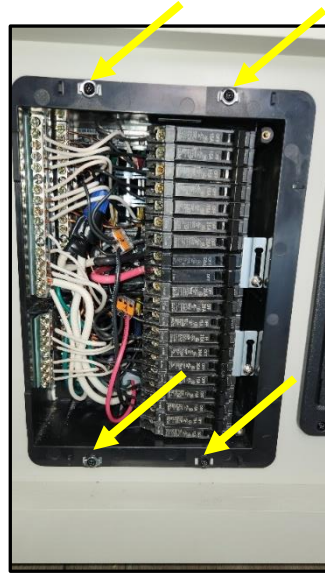
7. With the wire nut and wires out of the way, loosen the screw holding the green wire from the Power Control System and remove and pull the green wire over towards the Power Control System inlet.



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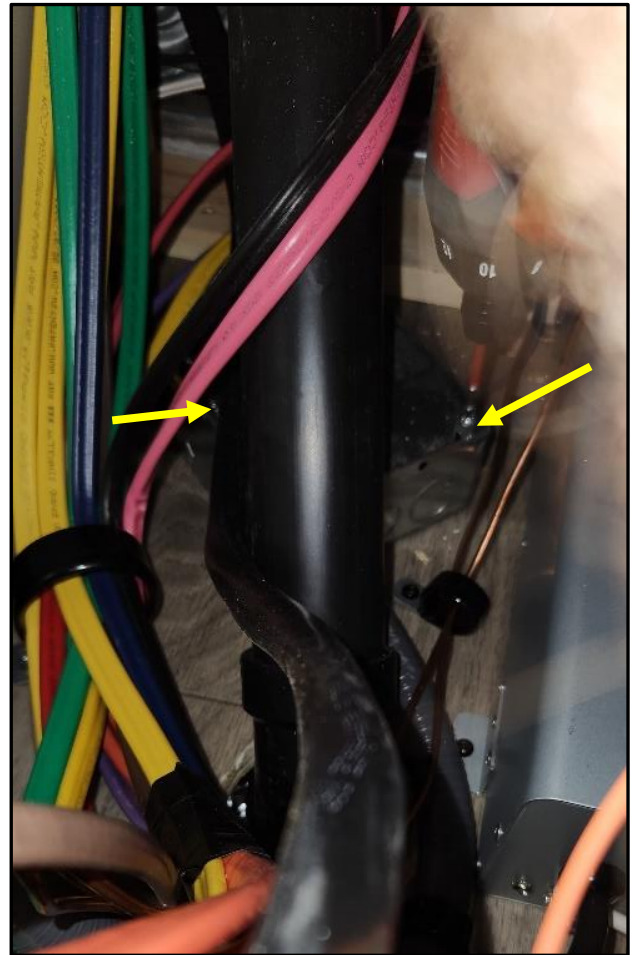
8. After all wires going to the Power Control System are now loose, remove the screws (4) from the Power Distribution Panel and remove it from the cabinet.



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9. Locate the electrical box located inside the cabinet and loosen the screws (2) on top of electrical box. Then, slide the cover to remove.



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10. Once the electrical box cover is off, remove screws (2) located in the bottom of the box that hold the box to the floor. These two screws are located in the same corner areas as the screws that held the cover on. (This may take a longer or flex attachment to reach the screws).





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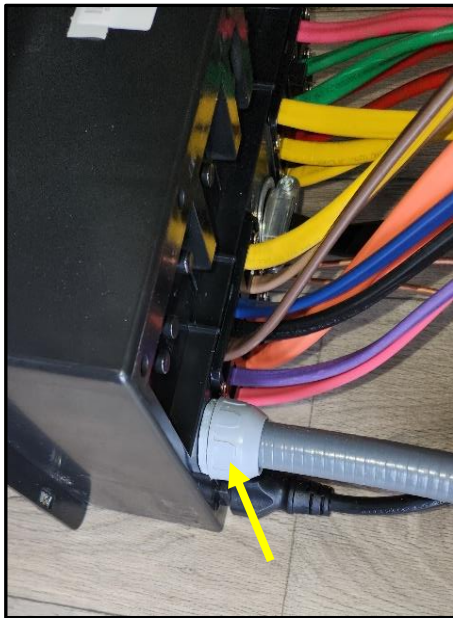
11. Then remove the screw (1) and conduit clamp holding the flexible conduit to the floor.



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12. Loosen the nut on the back of the Power Center Panel and pull out the flex conduit and wiring out of the Power Center Panel.





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13. Remove the original Flexible Conduit Connector from the back of the Electrical Panel.

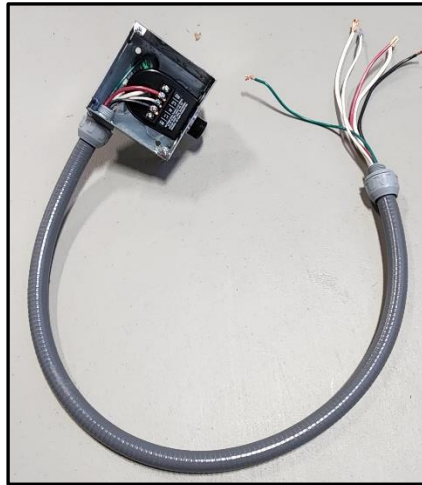


14. Completely Remove the original Power Control System Electrical Box and Flex Conduit. **THIS IS THE ASSEMBLY THAT MUST BE RETURNED TO PRECISION CIRCUITS. DO NOT DISCARD.**



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Installing the New Power Control System Assembly (Reverse order of Removal)

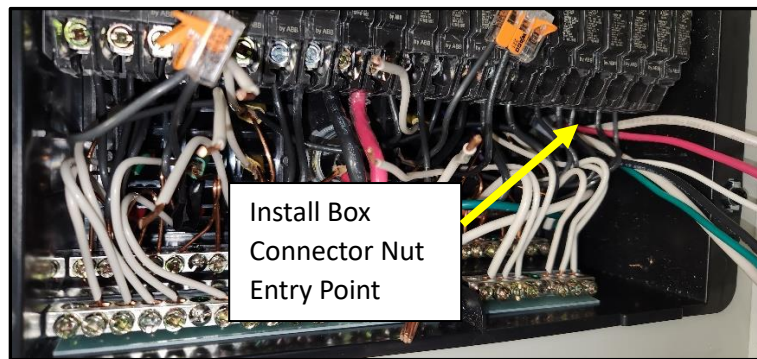
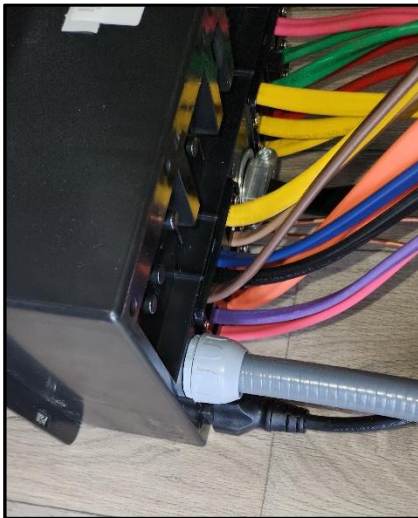
1. Prep the new replacement Power Control System Box and Conduit by removing the nut and rubber washer from the flexible conduit box connector.



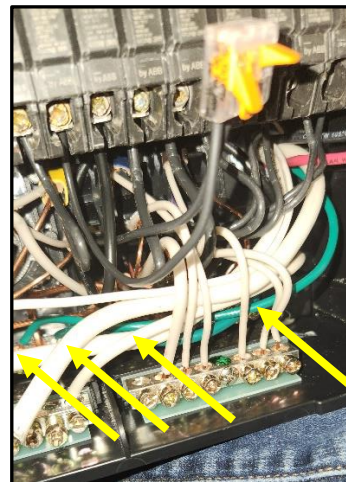
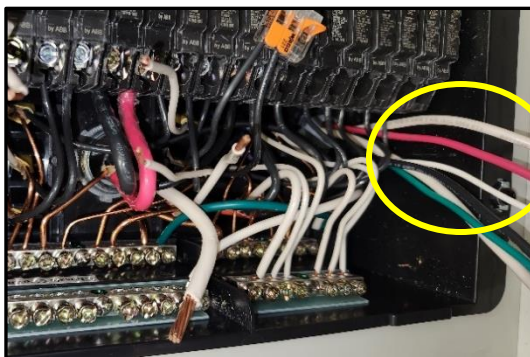
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2. Insert the new Power Control System Flexible Conduit Box Connector and Wiring into the back of the Electrical Panel where the old system was removed. Connect and tighten the flexible box connector nut.



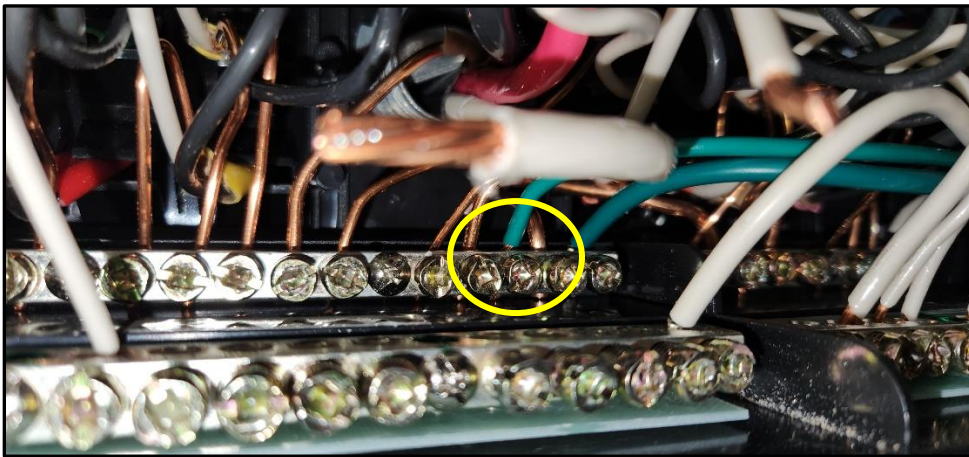
3. Route the ground and neutral wires back to where the old wiring was located (behind the neutral wires). This is where the old wiring was pulled out from.



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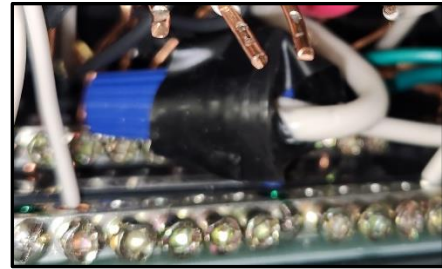
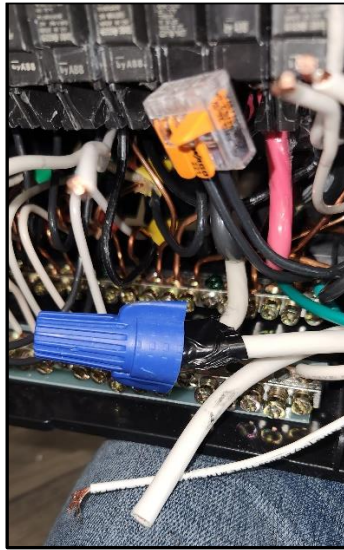
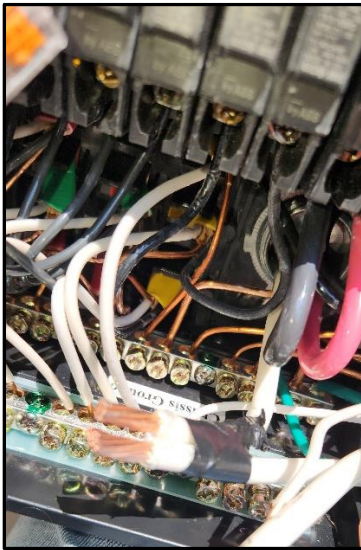
4. Attach the ground wire back to buss bar where old ground was located. Torque to 25 in-lbs (2.8 Nm).



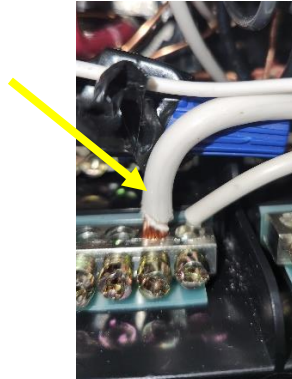
5. Cut and strip one of the new 6-gauge white wires to length to match the current 6-gauge wire in the Electrical Panel and tape together. Use blue wire nut (twist to tighten) to connect the two 6-gauge wires and tape over the wires and nut. Push the wires and nut back into the Electrical Panel.

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- Cut and strip the 2nd 6-gauge white wire from the new Power Control System assembly and attach to neutral buss bar where previous 10-gauge wire was from the old system. Torque to 35 in-lbs (4.0 Nm).

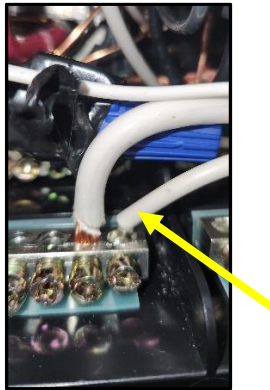


- Attach small 18-gauge neutral from the new Power Control System assembly wiring to the neutral buss bar where old system 18 gauge was attached. Torque to 25 in.-lbs (2.8 Nm).

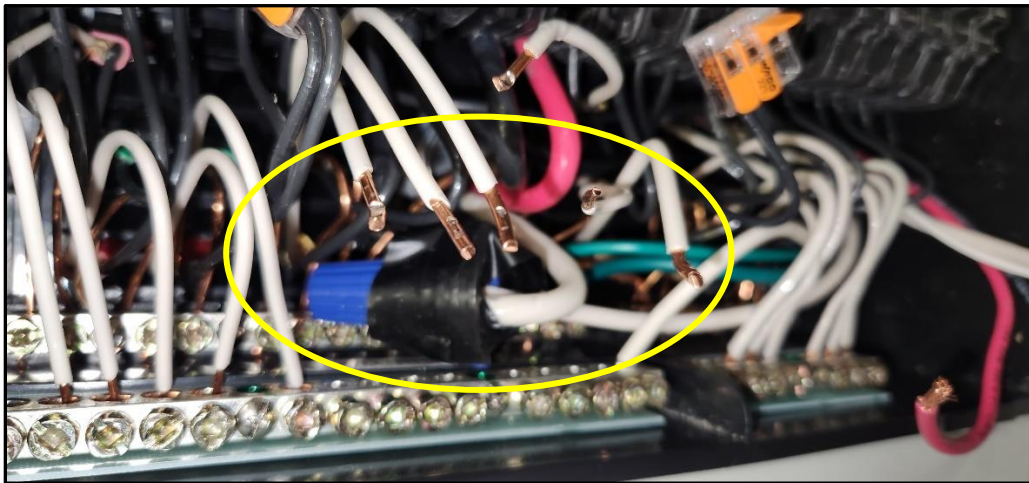


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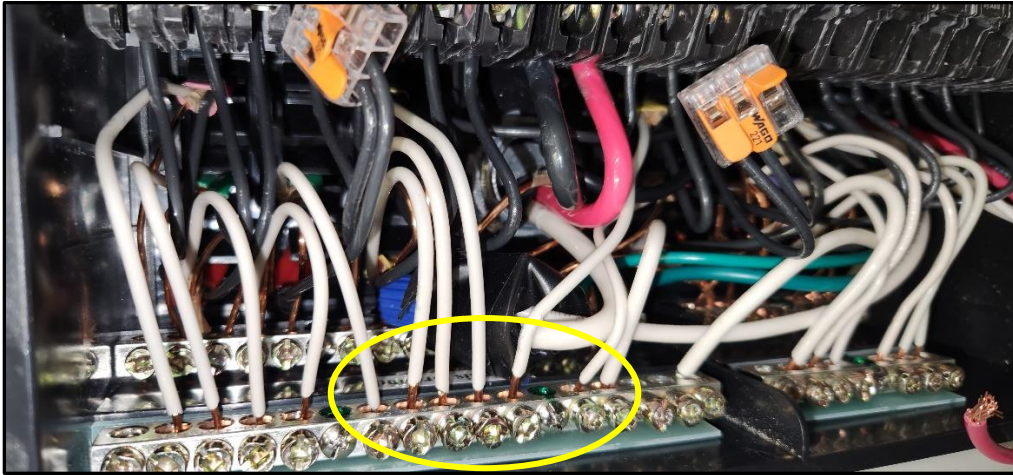


8. Reattach all the neutral wires that were previously pulled out of buss bar in order to access and the blue wire nut. Torque to 25 in.-lbs (2.8 Nm).

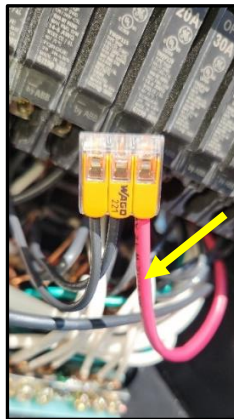
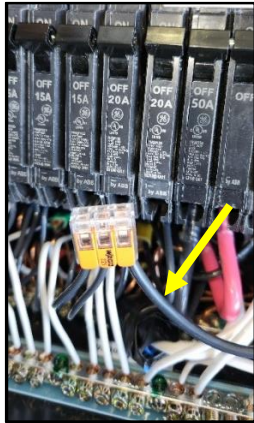


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- Reattach 12-gauge black wire and red wire to Wago Connectors the for wires going to Power Control System.



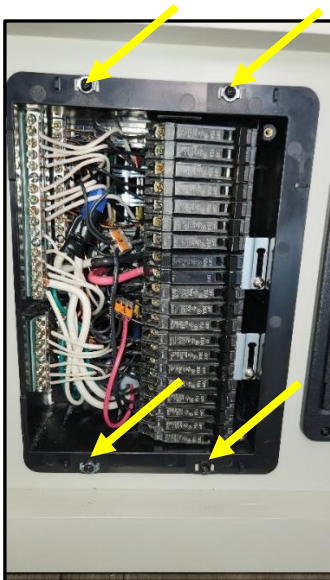
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10. Place the new Power Control System electrical box back into the cabinet space where the old system was located and fasten the box to the floor using the flexible conduit clamp supplied in the replacement kit. Mount this clamp as close to the electrical box as possible.



11. Reinstall the Electrical Panel into the cabinet opening using screws (4) previously removed and reattach the front cover using the 2 screws for the cover.



12. The installation is now complete.