2nd & 3rd Gen Revel – Kitchen Switch Panel w/12v Outlet

Installation instructions for the 2nd & 3rd Gen Revel Kitchen Switch Panel w/12v Outlet

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TOOLS:

- #2 Phillips Bit for Drill or Impact Driver (1)
- Drill/Impact Driver (1)
- 10mm Deep Socket (1)
- Socket Wrench for Above Sockets (1)
- Wire Cutters (1)
- Wire Strippers (1)
- Wire Crimpers (1)
- Oscillating Tool (1)
- Jigsaw (1)

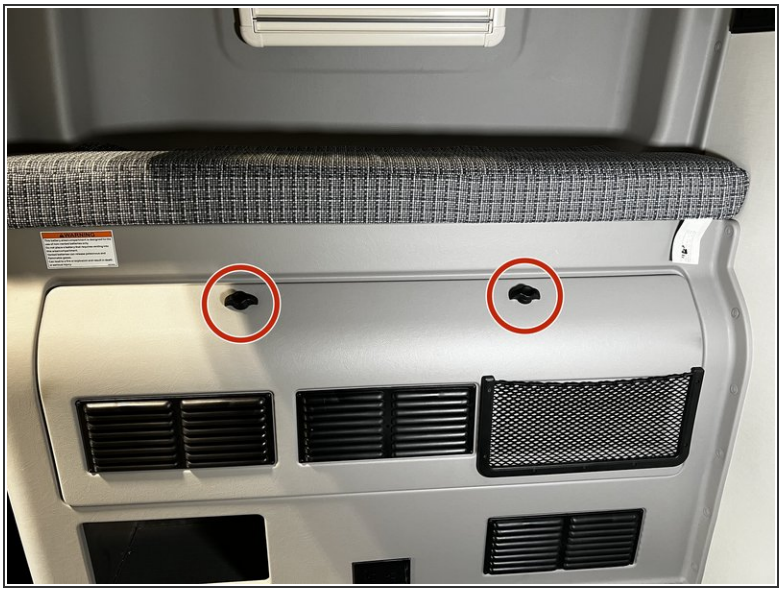
PARTS:

- 2021+ Revel Kitchen Switch Panel Kit (1)

Step 1 — Solar Disconnection

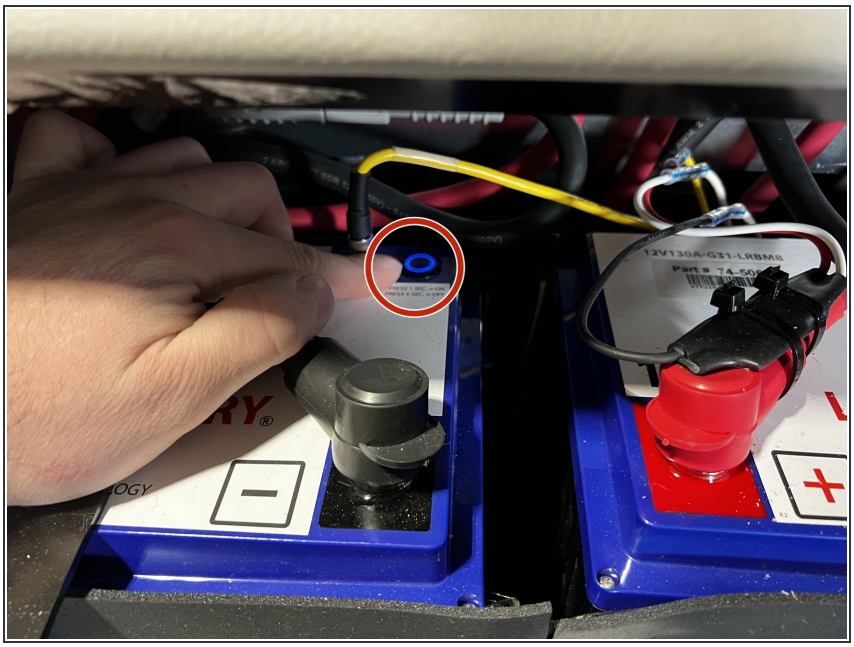
- Turn the solar disconnect knob located on the control panel to the "OFF" position.

Step 2 — Battery Cover Removal



- Locate the battery compartment in the driver's side rear of the van.
- Turn the locking knobs to release the battery compartment cover.
- Lift and remove cover.

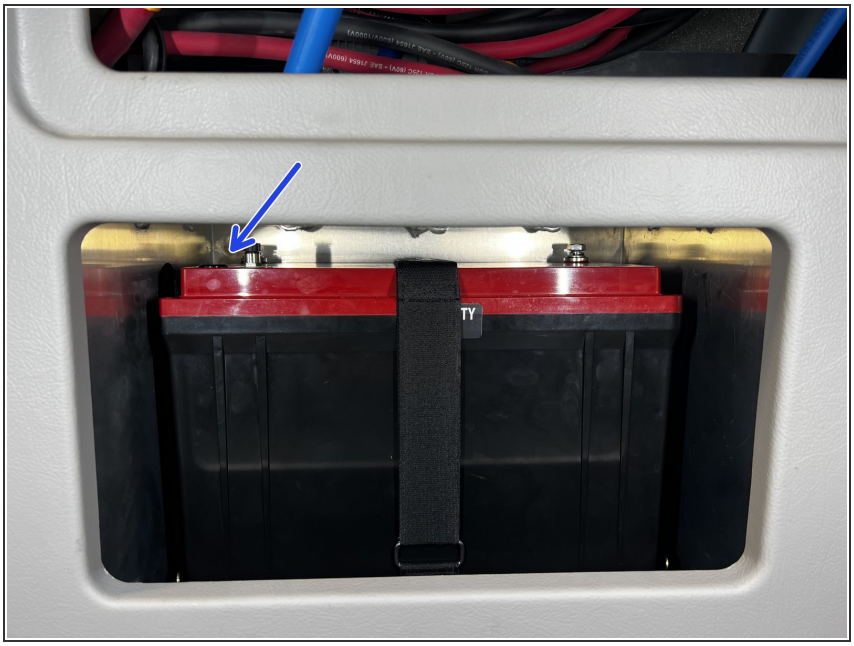
Step 3 — Shutting Off The Batteries



- Locate the "ON/OFF" switch on the batteries.
- Depress and hold the button for 5 seconds until the blue LED on the battery ON/OFF switch goes off. Do this for each battery.
- If the LED light does not go off, depress and hold the ON/OFF button again for 5 seconds.

⚠ Ensure ALL batteries are off.

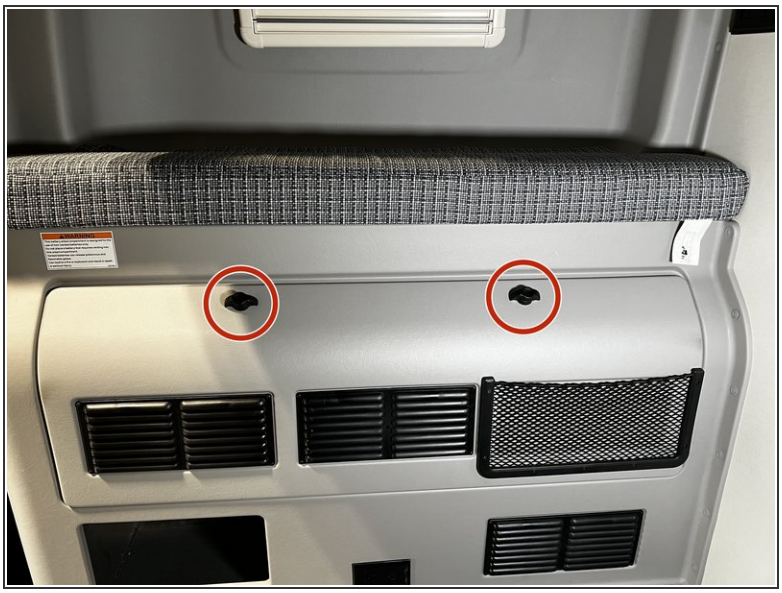
Step 4 — 3rd Battery Shutdown

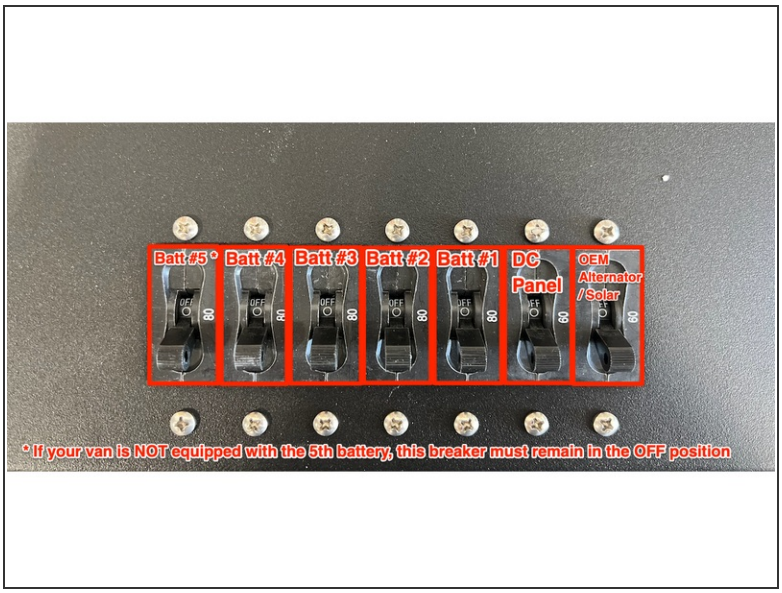


- If equipped with a 3rd battery, the ON/OFF switch will be located on the front left corner of the battery.

Depress for 5 seconds to turn the battery off.

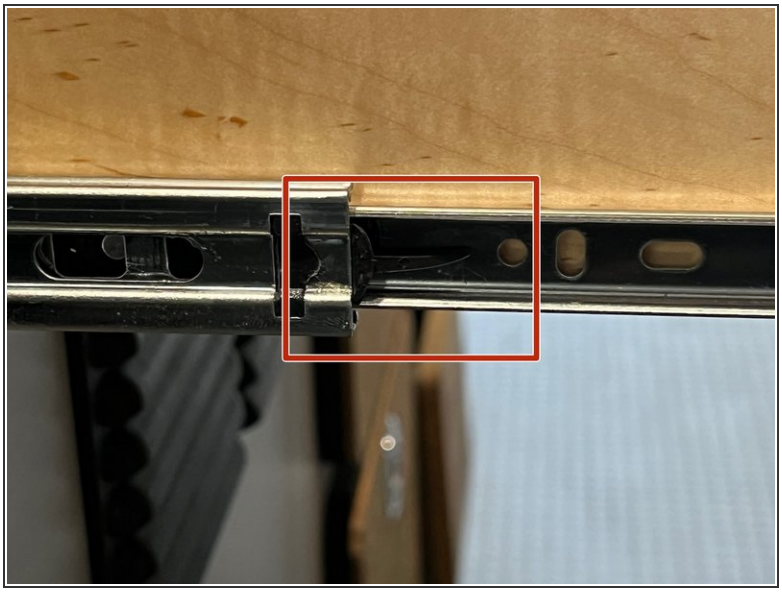
Step 5 — 2021+ Revel Battery Shutdown RoamRig System





- Locate the battery compartment in the driver's side rear of the van.
- Turn the locking knobs to release the battery compartment cover.
- Lift and remove cover.
- If you have a RoamRig power system, locate the breaker panel in the battery compartment. Shut off all the breakers to disconnect the batteries.

Step 6 — Kitchen Drawer Removal

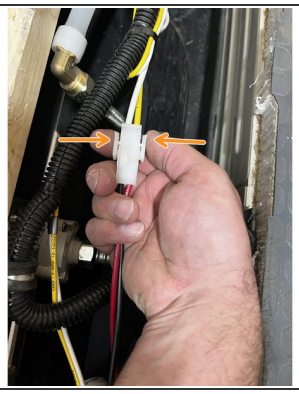


- Remove the top drawer from the galley by sliding the drawer all the way out, and depressing the black release tabs on both drawer slides and pulling the drawer out. Set the drawer aside.

Step 7 — Refrigerator Removal

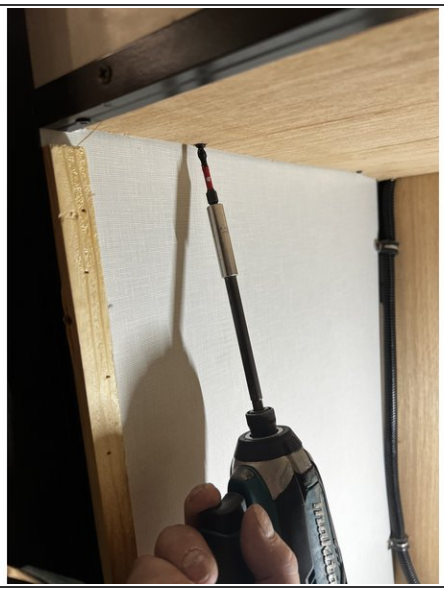
- Remove the contents of the fridge to assist with removal.
- Locate the 2 hinge bolts securing the refrigerator door. Using a 10mm socket and wrench, remove only the upper hinge bolt. Lift then door off the refrigerator and set aside.
- With the door removed, locate the 4 plastic screw covers on the frame of the refrigerator. Remove these 4 covers by prying them out with your fingers.
- With the screw covers removed, there will be 4 #2 Phillips head screws securing the fridge to the galley. Using the drill/impact driver and a #2 Phillips bit remove these 4 screws.
- On some fridges we have noted the hinge bolt head size to vary between 10mm-12mm. Use the socket that fits the best for your specific fridge.

Step 8 — Refrigerator Removal



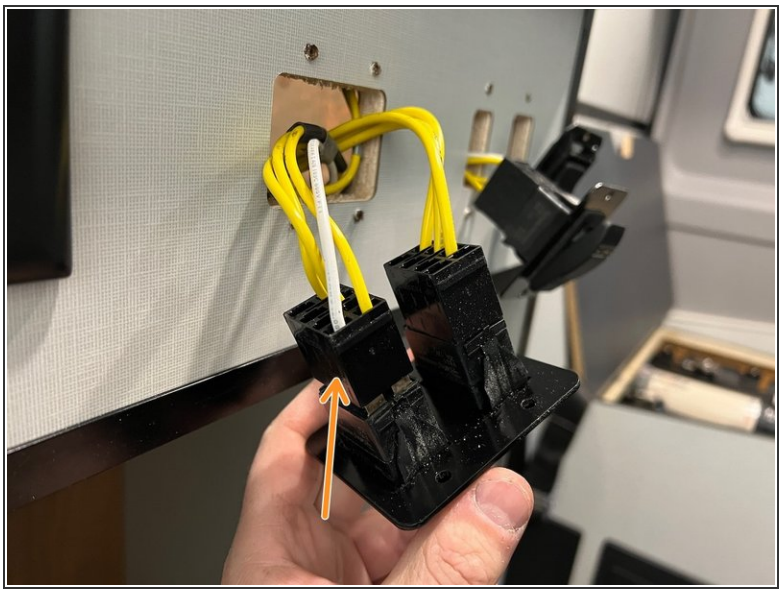
- With the 4 screws securing the refrigerator removed, slide the refrigerator out of the galley.
- With the refrigerator slid out, there will be a safety cable securing the fridge to the galley. Using a 10mm socket, remove the bolt securing the cable to the back of the refrigerator.
- Locate the refrigerator power plug. Disconnect the plug by depressing the 2 white tabs on the side of the plug, and pulling the plug.
- Remove the refrigerator from the van and set aside.

Step 9 — Top Panel Removal



- Looking up in the refrigerator compartment, locate the 4 screws securing the wood panel.
- Using a #2 Phillips bit, remove the 4 screws securing the top panel, and remove the panel.

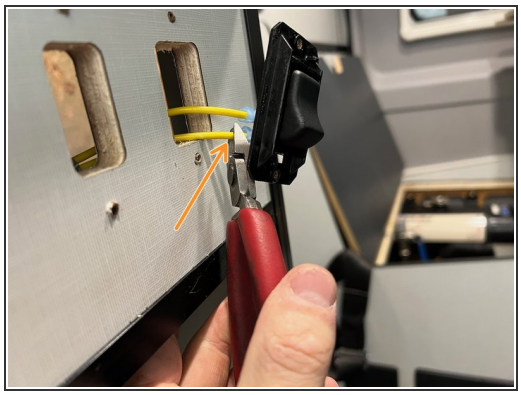
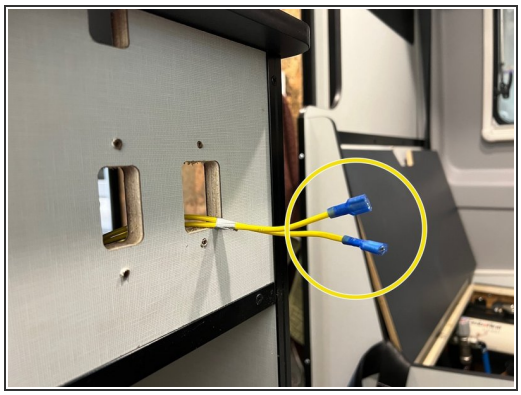
Step 10 — Existing Switch Removal



- Using a #2 Phillips bit, remove the 6 screws securing the 3 rocker switches to the galley.
- Once the 3 rocker switches are removed, disconnect the wiring connectors from the switch body. Set the switch bodies aside for use in a later step.

⚠ Take note of each harness disconnected from its respective switch body. Mark each harness if needed to ensure the harness connectors are inserted into the correct switch on the new panel. (i.e. awning, awning light, running board lights, door light)

Step 11 — Switch Removal

- On the right-most switch, the bezel will need to be removed to expose the screws securing the switch. Simply grab the bezel and pry off using your fingers. Use a #2 Phillips bit to remove the screws securing the switch.
- With the switch removed, cut the wires right behind the connectors on the back of the switch. Discard this switch as it will not be reused.
- Using the wire strippers, strip approx. 1/2" insulation off the wires. Insert the included replacement spade terminals onto the wires. Using the crimpers, crimp the replacement spade terminals onto the wire ends.

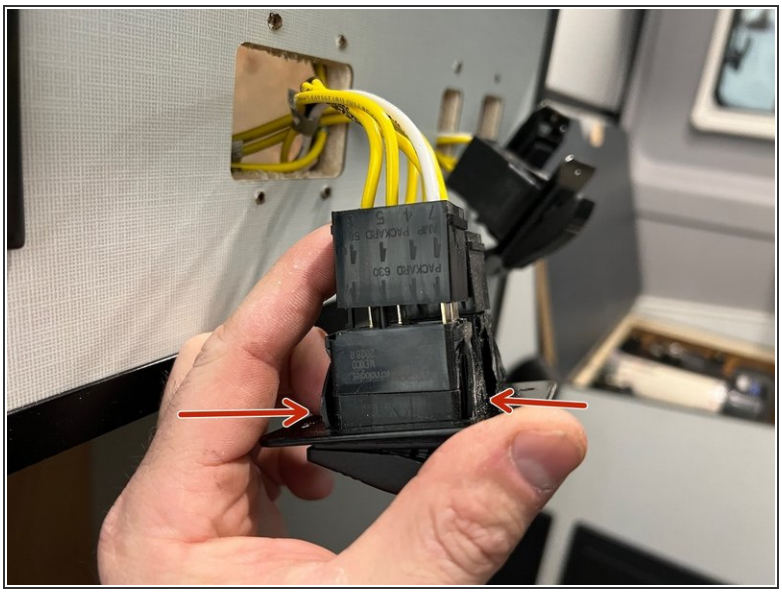
⚠ Ensure the spade terminals are properly crimped. Give the terminal a tug to make sure it does not slip off the wire.

Step 12 — Cutting the Galley

- Tuck the wires for the switches behind the galley wall.
- Using either a jigsaw, or an oscillating tool, cut along the lines marked in red. You can use masking tape as a cut guide if needed.
- Once the cut is completed, it should look like this. We are simply removing the material between the original switches to make one large opening.

⚠ The cut does not need to be absolutely perfect. However do not cut beyond the existing screw holes.

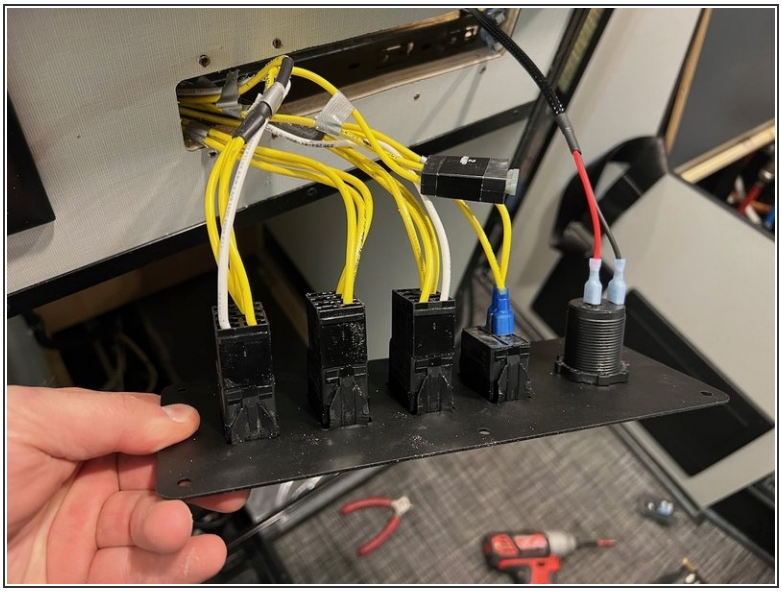
Step 13 — Switch Face Removal and Switch Body Install

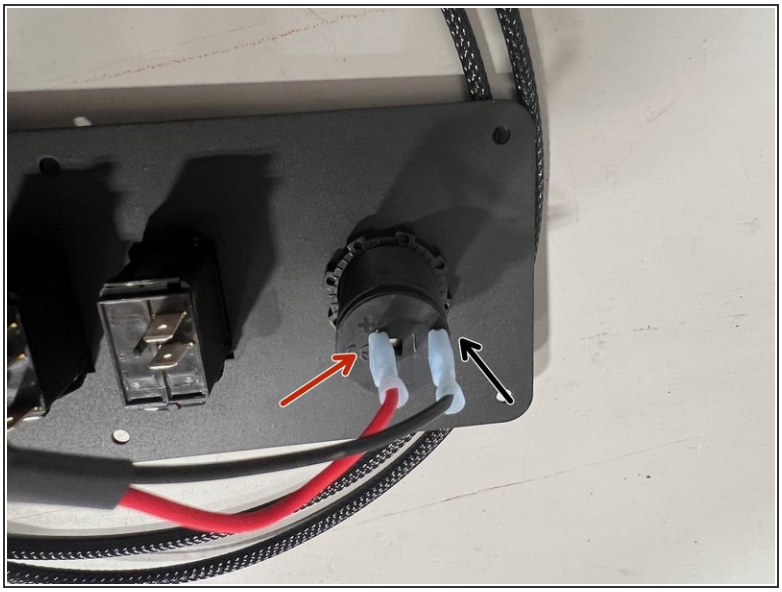


- Using the 3 rocker switches removed previously, remove the original switch face from each switch using the switch face removal tool. Insert the tool under the face, and lever the tool to pop off the switch face.
- Once the face of the switch is removed, remove the switch body from the original mounting plate. Depress the tabs on the back of the switch body, and remove from the original mounting plate.
- Insert the switch bodies into the new RoamRig switch panel. Press the bodies in from the front, and ensure they are fully seated into the RoamRig panel.
- Once the switch bodies are installed, using the new labeled switch faces provided, install them onto the switch bodies. Simply press them on until they snap into place.

ⓘ With the switches installed into the RoamRig panel, now is a good time to test fit the panel into the cutout, and make any additional trim cuts to ensure proper fitment.

Step 14 — Wire Harness Connection





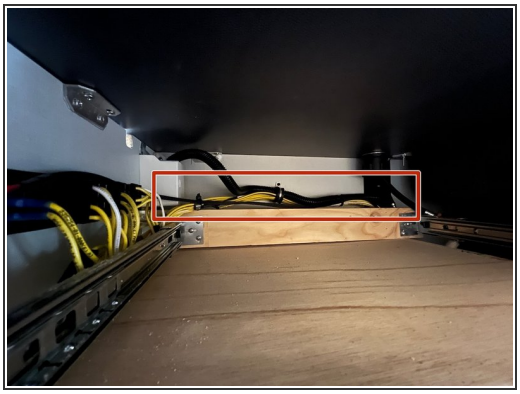
- Connect the respective wire harness to their respective switch bodies on the back of the RoamRig switch panel.
- Connect the provided wire harness for the 12v outlet. There are two ends of the harness. The outlet on the switch panel will use the two angled spade connectors. NOT the piggyback connectors. the red wire goes to + and the black wire goes to -

Step 15 — RoamRig Switch Panel Installation

- With all the wiring connected, place the switch panel in the cut out. Ensure the panel is "square" and not angled or tilted. Using the 6 provided screws, secure the switch panel to the galley using a #2 Phillips bit.

ⓘ Take note to not strip the new screws when installing them.

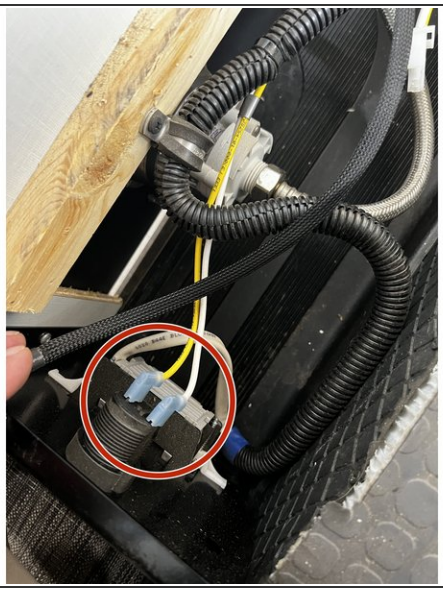
Step 16 — 12v Outlet Wire Harness Routing

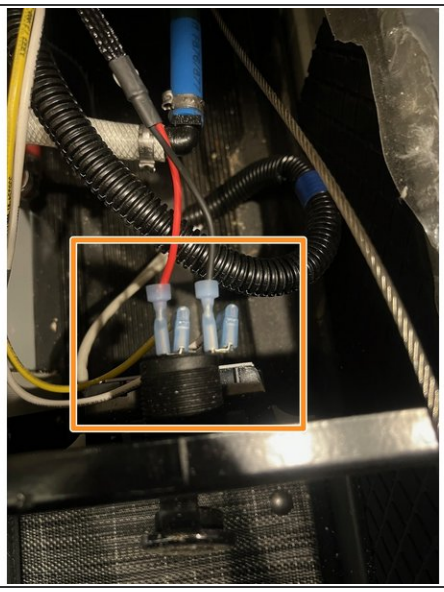


- Begin routing the 12v outlet wire harness along the wire harness bundle located at the back of the drawer opening. Use the provide zip ties to secure the 12v outlet harness to the harness bundle.
- Continue routing the 12v outlet harness down the corner of the fridge opening, following the existing harness. Use the provided zip ties to secure the 12v outlet harness to the existing wire harness.
- Bring the 12v outlet harness down to the rear left corner of the refrigerator opening, and route along the opening in the galley floor towards the existing 12v outlet that is installed above the 120v outlet below the refrigerator. Secure to the existing wire harness using the provided zip ties.

ⓘ Trim the tails on the zip ties flush after the zip ties are tightened.

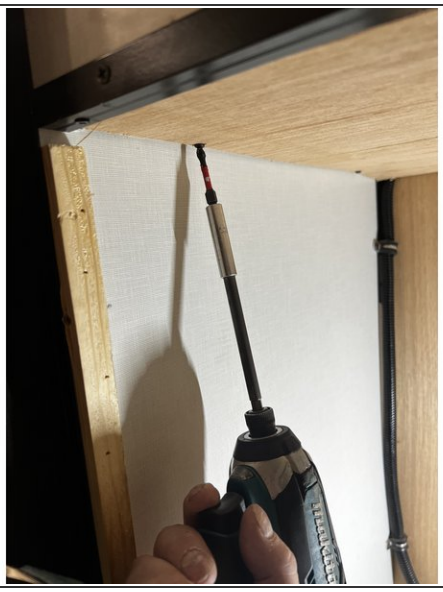
Step 17 — 12v Wire Harness Connection





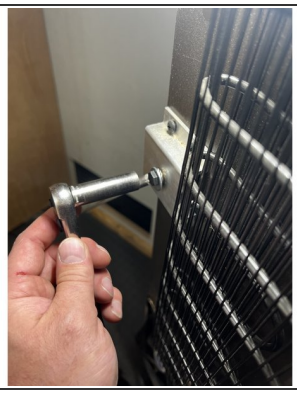
- Locate the 12v outlet above the 120v outlet below the refrigerator. Remove the original wires from this 12v plug, taking note of the wire positions. The yellow wire is positive, the white wire is negative.
- Connect the new harness with the piggyback spade connectors to the existing outlet. Red goes to the positive terminal, black to the negative terminal.
- Connect the original 12v outlet wires to the piggyback connectors on the new harness. The yellow wire goes to the red wire, the white wire goes to the black wire.

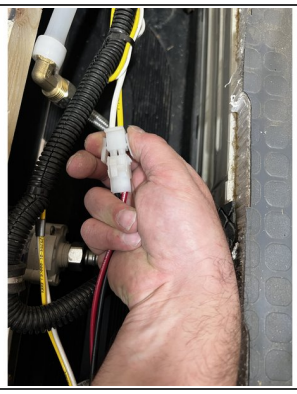
Step 18 — Refrigerator Cabinet Panel Reinstallation



- Reinstall the wood panel removed in step 5 above the refrigerator.

Step 19 — Refrigerator Install





- Position the fridge back in the van. Connect the safety cable using a 10mm socket and wrench.
- Reconnect the refrigerator power supply harness.

Step 20 — Refrigerator Install

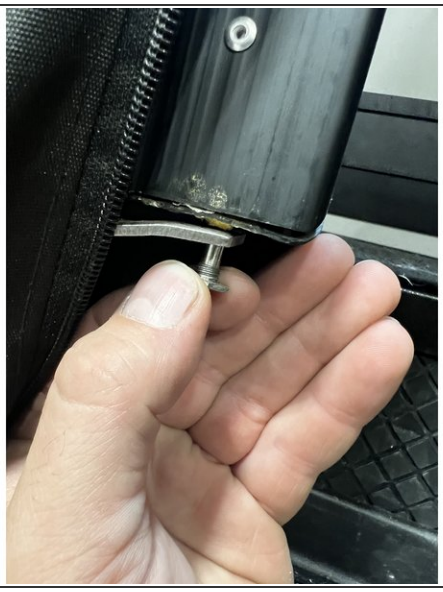


- Slide the refrigerator into the opening.
- Once the refrigerator is in the opening, reinstall the 4 screws securing the fridge using a #2 Phillips bit.

ⓘ Take care to not strip out the screws securing the fridge to the galley.

- Once the screws are installed, install the screw covers.

Step 21 — Refrigerator Door Reinstall



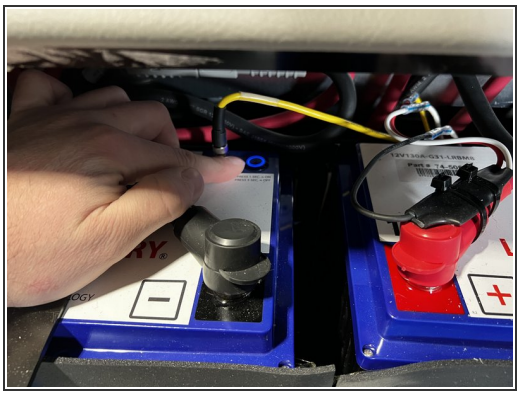
- Place the door on the hinge mounts, and install the hinge bolts using a 10mm socket and wrench.

ⓘ Ensure the hinge bolts are not overtightened, as this will pinch the door in the hinge mounts and make it difficult to open.

Step 22 — Kitchen Drawer Install

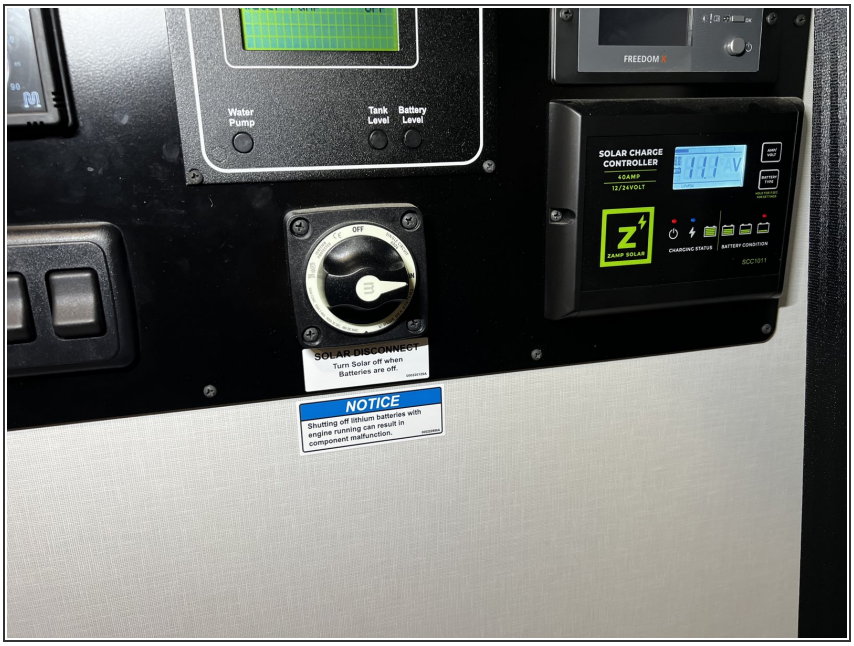
- Reinstall the kitchen draw by inserting the drawer into the slides, and sliding the drawer closed.

Step 23 — House Battery Power On



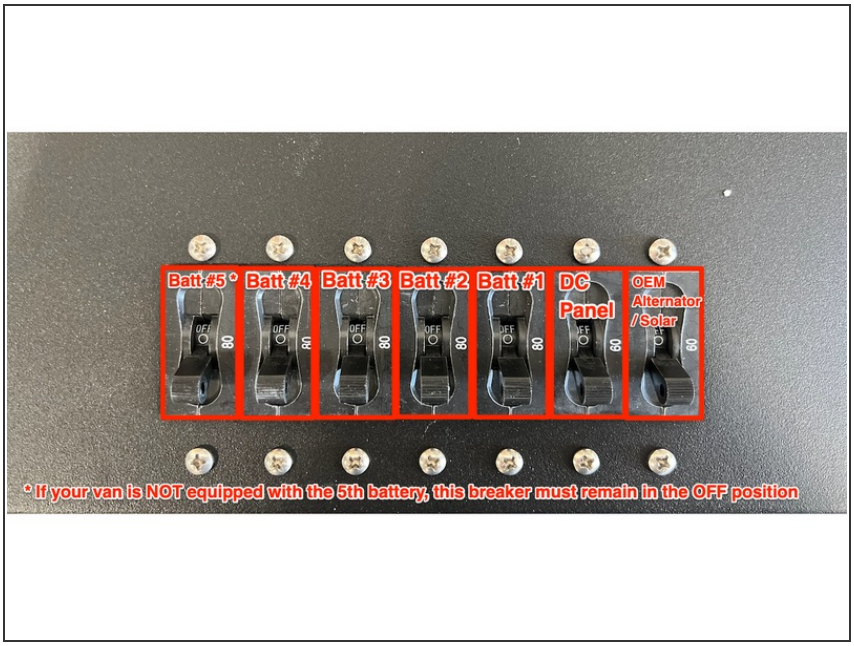
- Press the ON/OFF button on each battery to turn them on. The blue LED should illuminate when the battery is powered on.
- If equipped with a 3rd battery, ensure to power on that battery as well.
- Reinstall the battery compartment cover.

Step 24 — Solar Reconnection



- Turn the solar disconnect knob to the "ON" position on the control panel.

Step 25 — RoamRig Battery Turn On



- If your van is equipped with a RoamRig power system, locate the breaker panel in the rear battery compartment.
- Turn on all the breakers.

ⓘ Breakers shown in "off" (down) position. The breaker should be "up" to be in the "on" position

⚠ If you are equipped with the 4 battery system, the furthest breaker on the left must remain in the OFF position!

- Reinstall the battery compartment cover when done.