

 Winnebago Connect ITC Lighting Troubleshooting		
Classification	Issue Date	Number
Technical Service Bulletin	07/14/2026	7SB007-26-04A

Provides troubleshooting steps for generator operation on coaches equipped with Winnebago Connect (WC).

SYSTEM OVERVIEW

ITC Lighting Controller manages up to 16 lighting channels using CAN communication through Winnebago Connect. Lighting circuits are negative switched (constant +12V with switched ground). Wall switches send signals to the HMI, which commands the ITC. The controller is mounted on the WC panel.

COMPONENTS INVOLVED

- ITC Lighting Controller
- HMI
- WC Controller
- RV-1 Controller
- Lighting Circuits
- Wall Switch Inputs
- Coach Wiring

SAFETY LIGHTS BY FLOOR PLAN

524T	Exterior compartments; drawer lights and over cab if low-profile option; porch and step; service; galley OVHD
524R	Exterior compartments; drawer lights and over cab if low-profile option; porch and step; service
524D	Exterior compartments; drawer lights and over cab if low-profile option; porch and step

Please complete the below when troubleshooting Lighting issues.

Unit Information:

Model Year	Model	Model Code/Floorplan
VIN	Serial Number	

Problem Reported:

No Lights Working	Lights Flashing	Intermittent Behavior	Single Light Not Working	Zone Not Working	Switch Not Working
Other - Explain					

STEP 1- System Diagnostics

- Verify system diagnostics (ITC present and passing on CAN bus)
 - If it fails, troubleshoot the CAN bus: wiring, module communication, and CAN port integrity.

STEP 2 - Check DIP switch configuration and HMI configuration reset.

- Set DIP Switches 1, 2, and 3 to OFF, and Switch 4 to ON (accessed by removing the back cover).
- On the HMI, go to Lighting → Settings (gear icon) → Lighting Configuration Set → Reset to write the configuration file.

STEP 3 - Determine Issue Scope

- Identify whether the failure affects one light, multiple lights, an entire channel, or the whole lighting system.
 - Use the WC Test Panel to toggle individual zones.

☐ **One light not working –**

- Verify wiring at specific light

☐ **Entire lighting zone not working -**

- Check ITC output for that zone.
- Verify ground switching
- Inspect wiring between ITC and the zone junction.

☐ **Whole channel not working -**

- Check +12V supply for channel.
- Check fuses/breakers and output connectors

☐ **No lights working –**

- Verify ITC main power input.
- Verify ground reference.
- Ensure controller is powering up.

STEP 4 - Wall Switch Verification

- Confirm the light works from the HMI first—wall switches cannot function if the HMI cannot control the light.
- If HMI works but the wall switch does not, check the Physical Wall Switch diagnostics (5V supply, signal wiring, and HMI input).

If You Need Assistance:

If dealer technical assistance is needed, please contact the Winnebago Motorhome Technical Service Department at (866) 653-4329 or by e-mail at: techservice@winnebagoind.com.