

Recall Inspection and Repair Instructions

NHTSA Recall # 23V-643

Transport Canada Recall # TC-2023-522

Tiffin Motorhomes Recall # TIF-133

Models Involved: 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023 and 2024 Allegro Bus motorhomes and 2017, 2018, 2019, 2020, 2021, 2022, 2023 and 2024 Zephyr motorhomes built between April 27, 2015, and August 2, 2023, that are equipped with an optional 240V induction cooktop.

Purpose: To provide instructions on how to add a ground wire between the 240V induction cooktop and the metal junction box connecting 240V induction cooktop to motorhome.

Tools Needed:

Screwdriver or drill
Wire stripper
Wire crimper
#2 Phillips head bit
Square bit

Parts Needed:

1, 3 position wago connector or a yellow butt splice
1, green ground screw
1, TRML RING #10 INSUL 10-12 AWG
48" of 12ga white wire
48" wire loom
Electrical tape
Zip ties

FLAT RATE CODES AND TIMES

No additional authorization is required for work completed at the flat rate times stated on the work instructions. Please list "RECALL133" as the authorization on the claim for payment.

When filing the warranty claim for payment, please use the following flat rate codes and times.

BU9877RC01 or ZY9877RC01 for 1 hour, for all Zephyrs and most Allegro Buses.

Note for parts: Parts can be used from shop supplies and billed back as materials under the flat rate code for the recall.

REPAIR PROCEDURES:

1. Prepare wiring harness by stripping 1/4 inch of insulation from one end of the white wire and crimping the ring terminal to the exposed wire.
2. Wrap the white wire with the wire loom and secure the end of the wire loom to the ring terminal end of wire using electrical tape. See figure 2.



Figure 2

3. Turn off the breakers in the load center labeled "STOVE 1 & STOVE 2". This is a double breaker for the Wolf cooktop. See figures 3a & 3b.



Figure 3a



Figure 3b

4. Locate the junction box for the Wolf Cooktop. For most floorplans, the junction box for the Wolf Cooktop is installed underneath the galley base. See figure 4. If the junction box is not visible, please **stop and contact Tiffin Motorhomes** for additional authorization to locate the junction box and follow instructions on page 5 and 6.

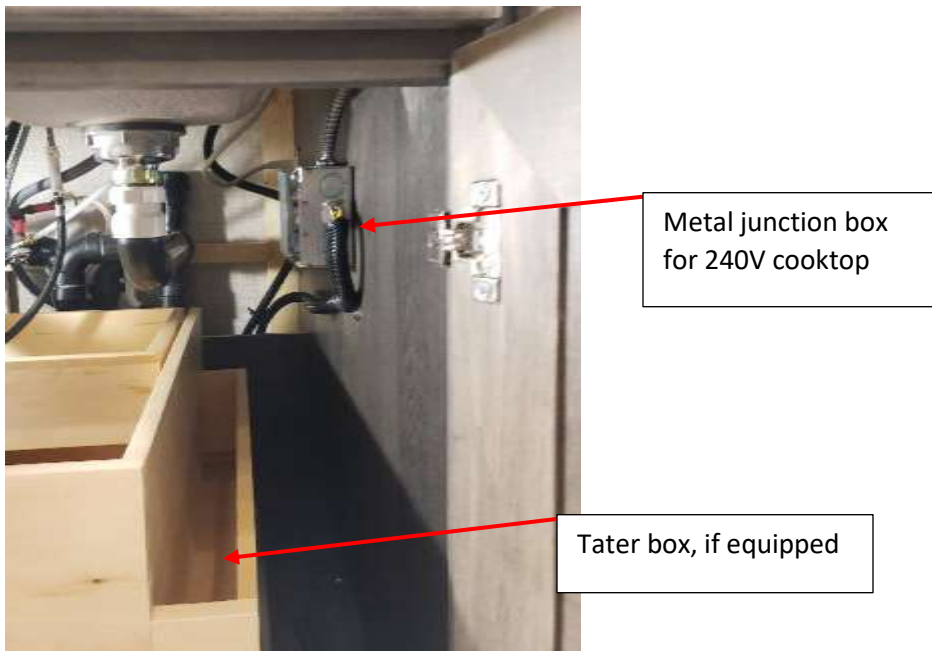


Figure 4

5. If equipped, remove the tater box from underneath the galley base.

6. Loosen screws to remove the lid of the junction box (figure 6a), and run the wire with the ring terminal in through the romex clamps into the junction box (figure 6b).

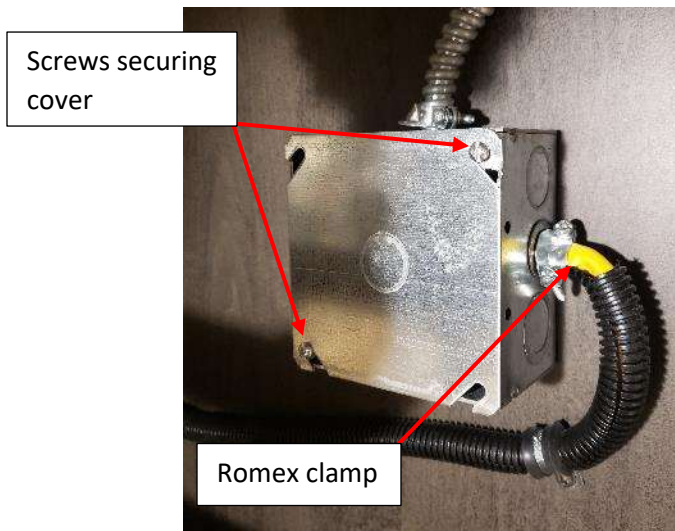


Figure 6a

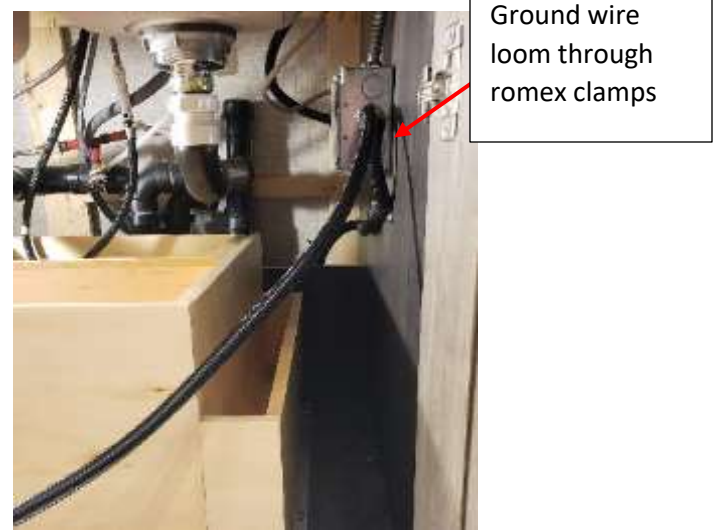


Figure 6b

7. Locate the bump out on the base of the junction box and install the ring terminal and green ground screw in the junction box. See figure 7.



Figure 7

Green ground screw installed through ring terminal to junction box.

8. Reinstall the lid back to the junction box.
9. Route the ground wire towards the main wall of the galley and drop it towards the floor.
10. Remove the base panel of the galley cabinet. Locate the ground wire that was dropped in step 9. If the cabinet doors need to be removed to remove the base panel, make sure to mark the alignment of the doors before removal.

11. Locate a frame ground wire to ground the wire from the cooktop junction box. See figure 11.

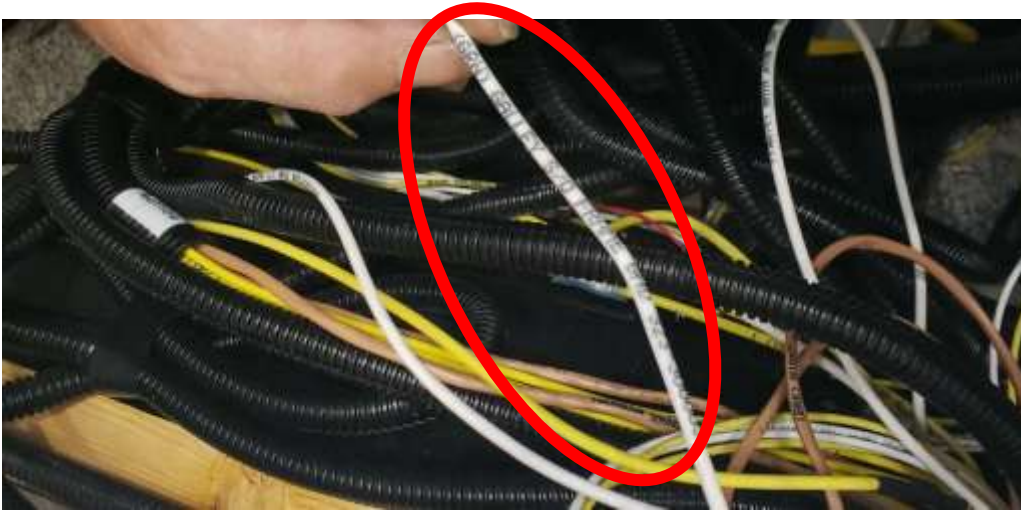


Figure 11

12. Cut ground wire and using the wago connector (or yellow butt splice), connect the cooktop ground wire to the frame ground wire. See figure 12.



Figure 12

13. Reinstall all removed components.

14. Install Zip ties as needed to secure wires together in galley base area. See figure 14.



Figure 14

FOR 35CP floorplans and units where the junction box is not visible

1. Locate the wire harness for the cooktop, which is metal and normally visible from underneath the galley area. In a 35CP, the cooktop may need to be removed. Follow the harness to have an approximate location for where the junction box is attached. See figure CP1.



Figure CP1

2. Remove the junction box from its location and move to where it can be easily accessed. It may be necessary to cut an access panel to view and access the junction box, as shown in figure CP3 below.



Figure CP3

3. Follow steps 6-8 above to install ground screw in junction box and 11-12 to connect the ground wire.



Figure CP4

4. To remount the junction box, reinstall the screws to the wall and secure. If needed, junction box may be mounted to a scrap piece of wood and then the wood panel can be used to reinstall the junction box. See figures CP5a, CP5b and CP5c below. For all units except the 35CP, if possible, the junction box should be mounted under the galley sink on the right or left side as shown in figure 4 page 2.



CP5a



CP5b



CP5c