



# WORK INSTRUCTIONS

## MODEL Z UNDER FLOOR WIRING

### INSPECTION AND SECUREMENT

<b>RECALL:</b>	900009 Model Z Under Floor Wiring		
<b>PRODUCT:</b>	Model Z3100 5th Wheel	<b>REVISION:</b>	REV-A
<b>DATE:</b>	August 4, 2025	<b>LABOR RATE:</b>	4.0 Inspection only / 5.0 Inspect and repair

### Underbelly Wiring Inspection

In certain Z3100 Model Z Fifth Wheels (VIN 5436-5448, 5516-5517, 5519-5531, 5644-5655), wiring in the underbelly may work loose and migrate beneath a holding tank. If the tanks have high levels of fluid in them, the wire may pinch and chafe against the metal tank supports, creating the potential for an electrical short-to-ground condition.

On affected units (VIN's listed above), Brinkley will pay to open the underbelly and inspect the wiring. If necessary, Brinkley will also pay to reposition and secure any wires that have the potential to work their way between a tank and support cross member.

### Safety:

Safety is and should always be observed when performing any type of repair. ANSI (American National Standards Institute) has created a standardized labeling system for different levels of safety and danger. The label below provides information regarding those levels of danger, and should be observed and adhered to at all times.

### ⚠ DANGER

This indicates an imminent hazard that, if not avoided or handled correctly, will result in death or serious injury.

### ⚠ WARNING

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.

### ⚠ CAUTION

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.

## WARRANTY INFORMATION

### ADVANCED CONTACT OR PRIOR AUTHORIZATION REQUIRED REIMBURSEMENT PROCESSING:

All reimbursement requests with completed work orders, including any freight expenses and photographs, should be submitted via a pre-authorization in the Brinkley RV Dealer Portal. If you do not have access to our Dealer Portal, a claim can be emailed to [CustomerCare@Brinkleyrv.com](mailto:CustomerCare@Brinkleyrv.com).

### REQUIRED INFORMATION FOR IMMEDIATE REIMBURSEMENT PROCESSING INCLUDES:

1. The full 17 digit VIN;
2. The Retail Name (if retail sold);
3. Dealer Name;
4. Dealer Address;
5. Dealer Phone Number;
6. Dealer Hourly Labor Rate;
7. Work Order detailing the work performed and labor time,
- 8a. Photos of inspection only (no issues found); photos of noted areas showing wires fully secured **OR**;
- 8b. Photos of inspection and repair; photos of the damaged or unsecured under floor wiring before and after repairs / securement.

**Reimbursement checks for claims submitted with all requested information are issued weekly.**

## PARTS INFORMATION

### Model Z3100 Underbelly Wiring

No parts are supplied by Brinkley RV for this inspection and repair. Any parts required for this inspection and repair (zip ties, wiring loom, J-box, etc.) are considered standard shop supplies, and should be readily available to a standard RV repair facility or mobile RV technician.

### ⚠ CAUTION

Always wear Personal Protection Equipment (PPE), such as eye protection, ear protection, gloves and possibly a full face shield depending on the nature of the task to be performed.

### ⚠ DANGER

**BE CERTAIN THE RV IS DISCONNECTED FROM SHORE POWER AND THE BATTERIES ARE DISCONNECTED, AND LP IS TURNED OFF BEFORE BEGINNING WORK! FAILURE TO DO SO CAN RESULT IN SEVERE ELECTRICAL SHOCK AND DEATH.**

### ⚠ WARNING

Use caution when working on the electrical system, especially when using metal tools. When a metal tool encounters a live, powered source it will cause the system to short circuit potentially resulting in personal injury, property damage, explosion, or fire.



**TOOLS REQUIRED:**

1. Electric impact gun or
2. Ratchet socket driver
3. 3/8" Socket
4. Wire Strippers
5. Wire crimpers
6. Flashlight
7. 3/4" Socket

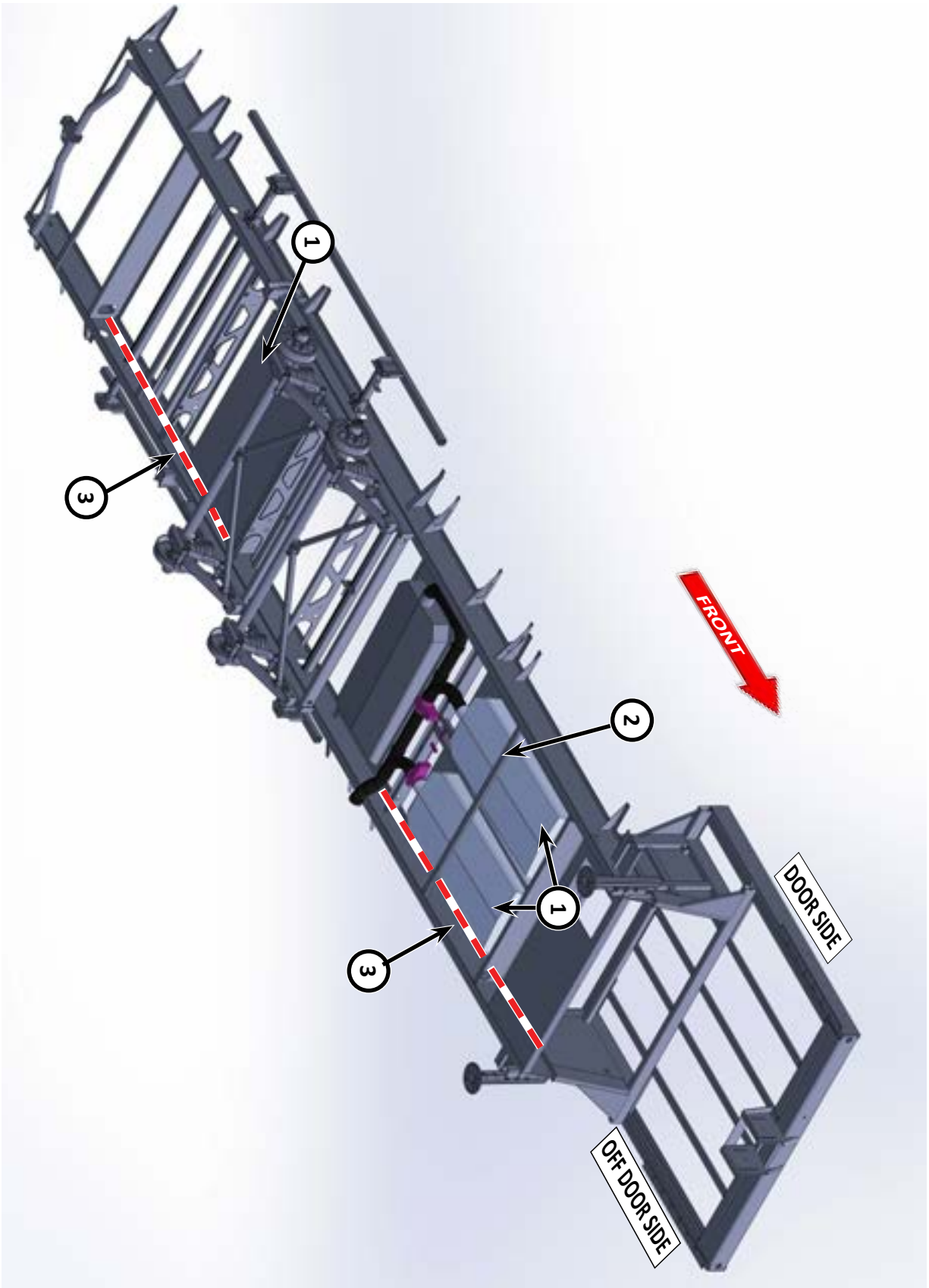


# WIRING LOCATION

1 Holding Tanks

2 Tank Support Bracket

3 Subject Wiring



VIEW FROM BELOW  
(UNDERBELLY REMOVED)



Recall : 900009 Model Z Under Floor Wiring

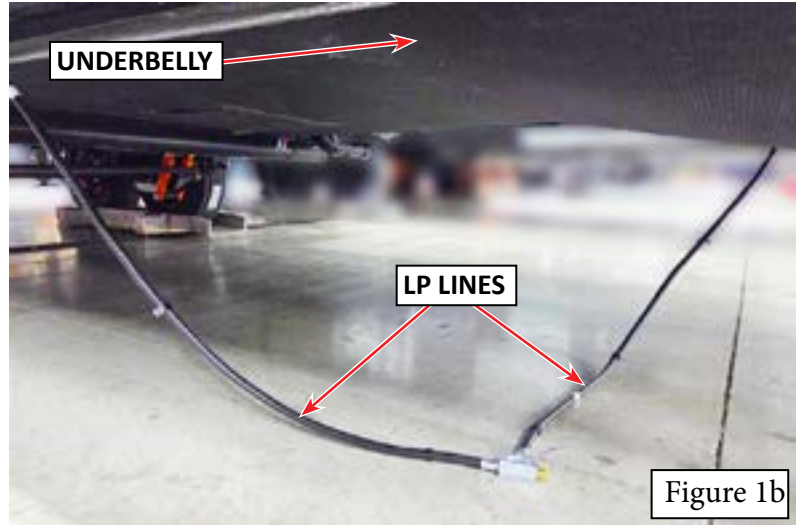
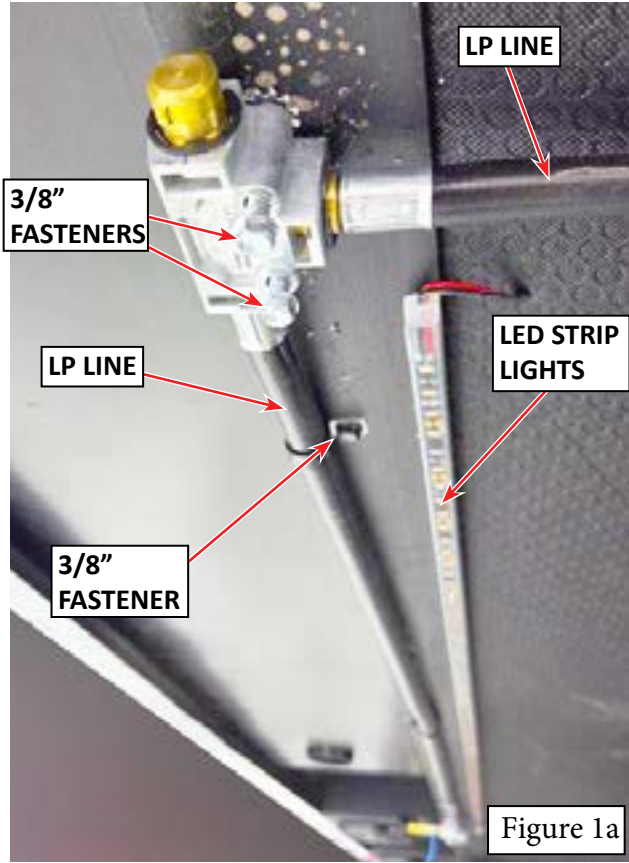
Revision Level: REV-A

Product: Model Z3100 5th Wheel

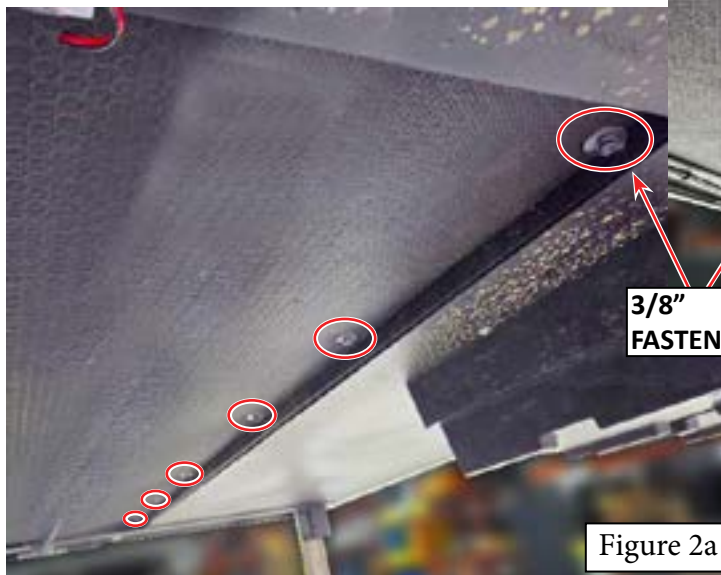
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## WORK INSTRUCTIONS:

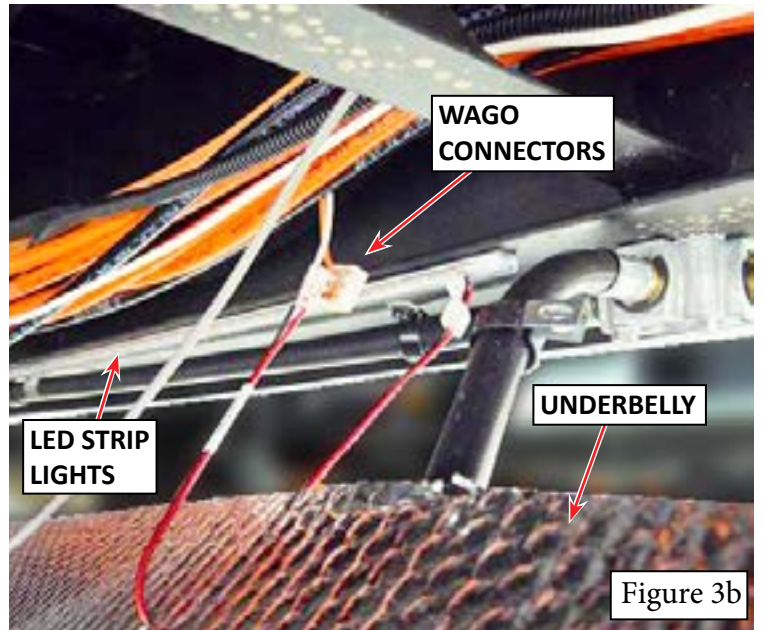
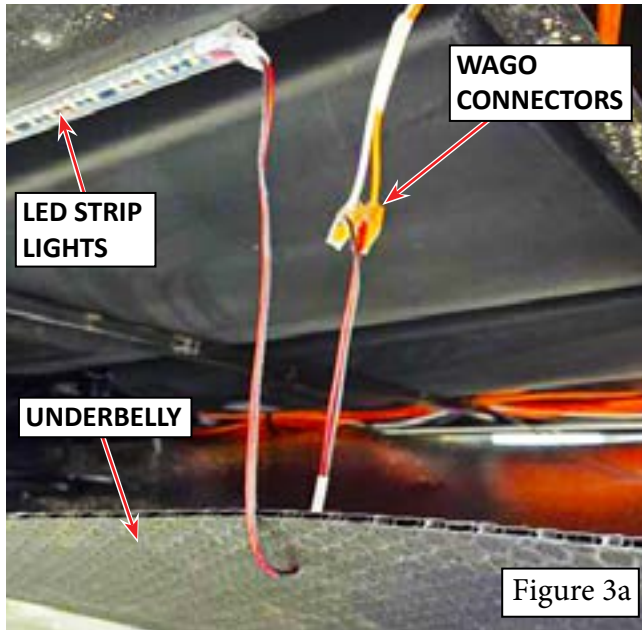
1. READ AND UNDERSTAND ALL INSTRUCTIONS PRIOR TO BEGINNING WORK.
2. Working with the underbelly FORWARD of the axles, use a screw gun (or ratchet socket driver) with a 3/8" socket to remove the fasteners holding the LP gas line beneath the unit (Figure 1a). Lower the LP gas line from the bottom of the RV (Figure 1b).



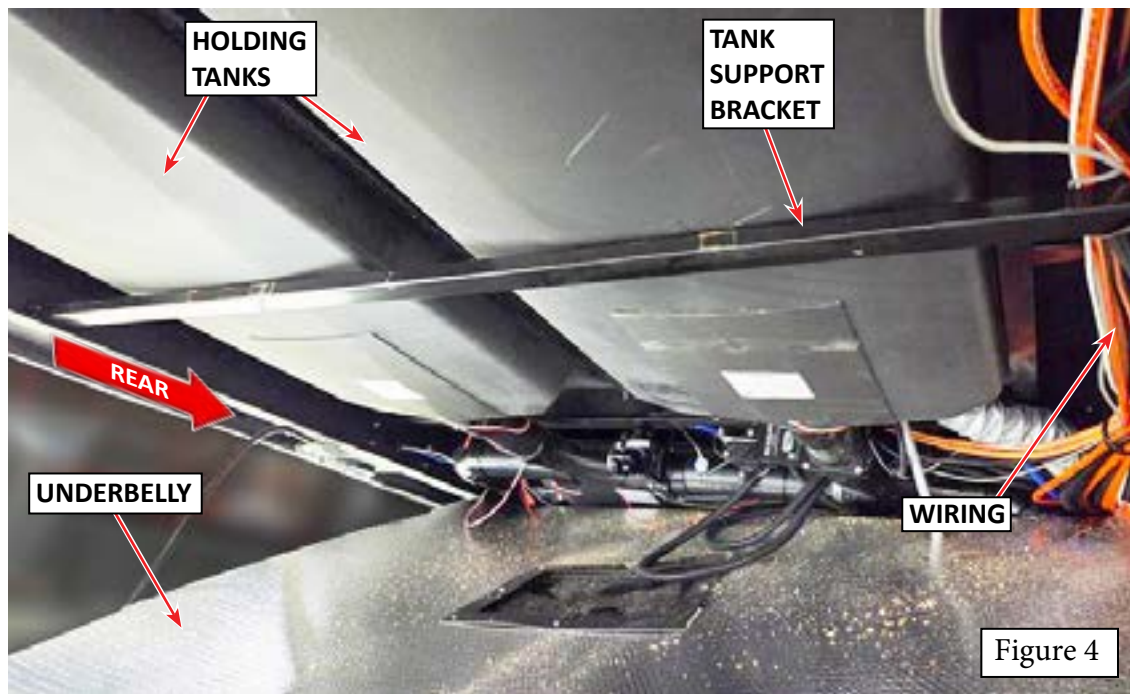
3. Remove the 3/8" fasteners holding the underbelly in place (Figure 2a and 2b).



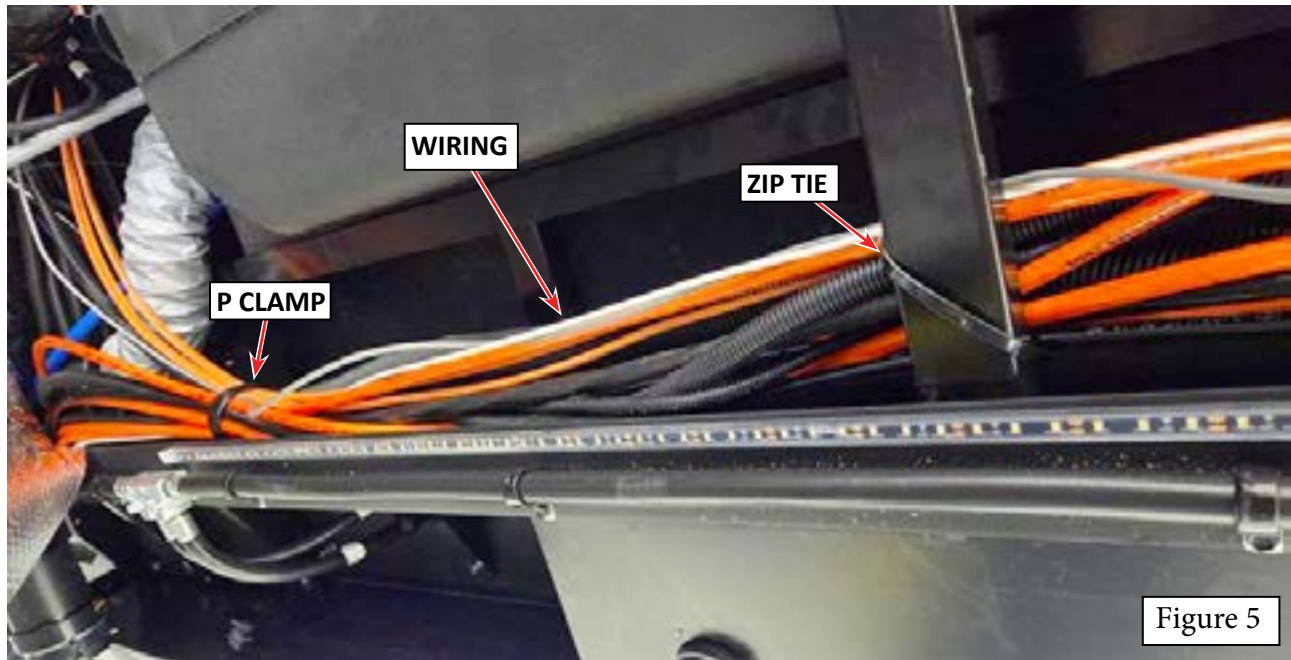
4. Lower the front 2' - 3' of the underbelly to gain access to the wiring connections for the LED light strips (Figure 3a and 3b). Disconnect the power wires to the light strips on both the DS and ODS at the Wago connectors located in the underbelly.



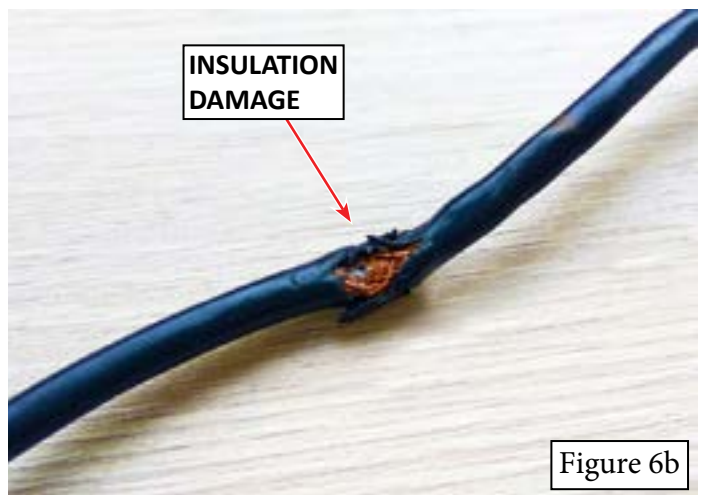
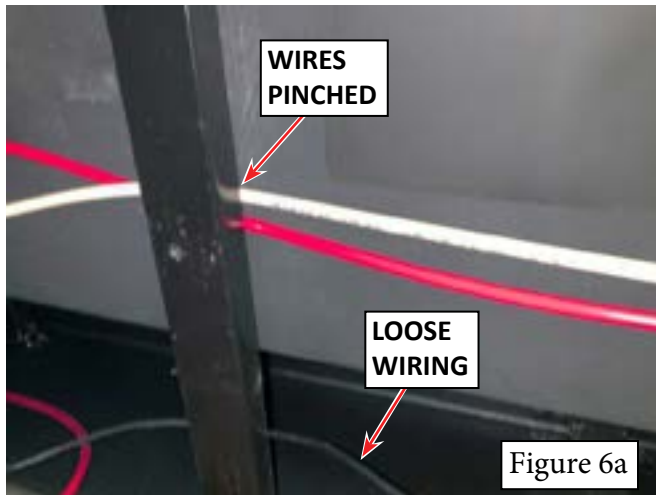
5. When the wiring for the LED strips is disconnected and clear of the underbelly, continue carefully lowering the underbelly down from the front of the RV, working it down until just before the holding tank drain connections (just behind the holding tanks - Figure 4).



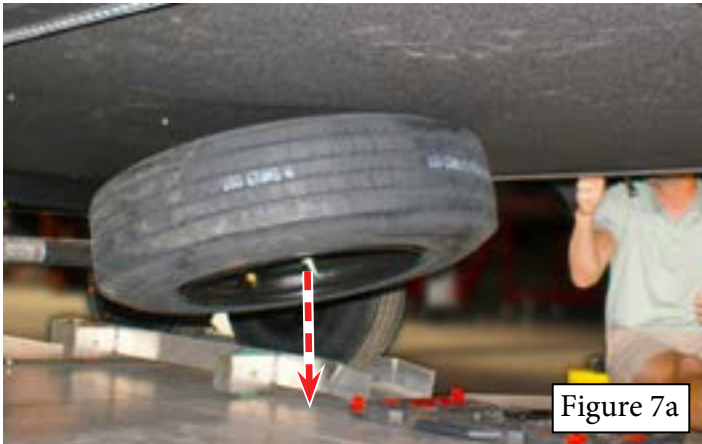
6. Follow all wiring along the off-door side frame rail to see if all wires are securely attached to the structure to eliminate or minimize movement in transit (Figure 5). Note any wires that have come loose or are not properly secured.



7. If wires have come loose, use zip ties and P-clamps to secure them to the chassis structure. If wires have migrated to a position under the holding tanks at the cross member support (Figure 6a), reposition the wire to the wire bundle, and inspect for wear, chafing or any other damage to the insulation that would expose the internal wires (Figure 6b). If the insulation is damaged and wire elements are exposed, the wire must be repaired or replaced.



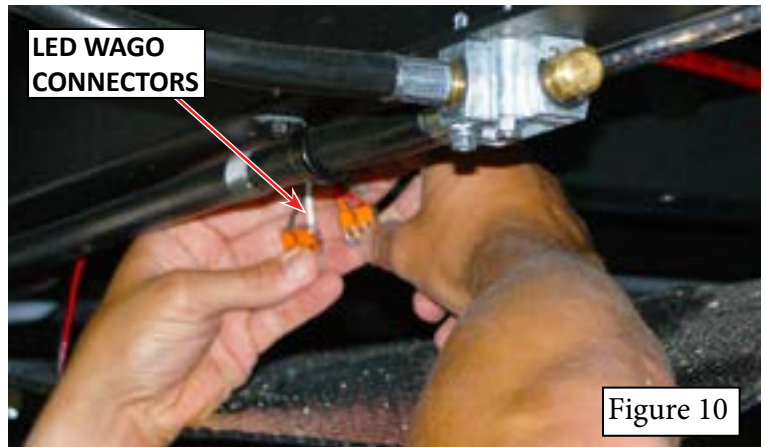
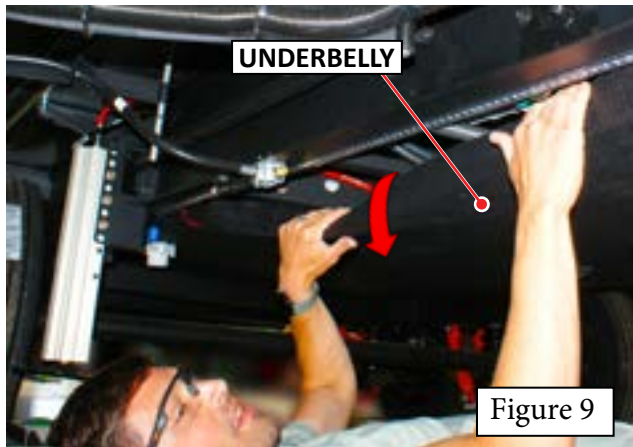
8. **Inspect wiring AFT of the axles.** Use the hand crank provided with the RV, or a 3/4" socket to lower the spare tire from its stored position under the RV (Figure 7a). Remove the tire from under the RV (Figure 7b).



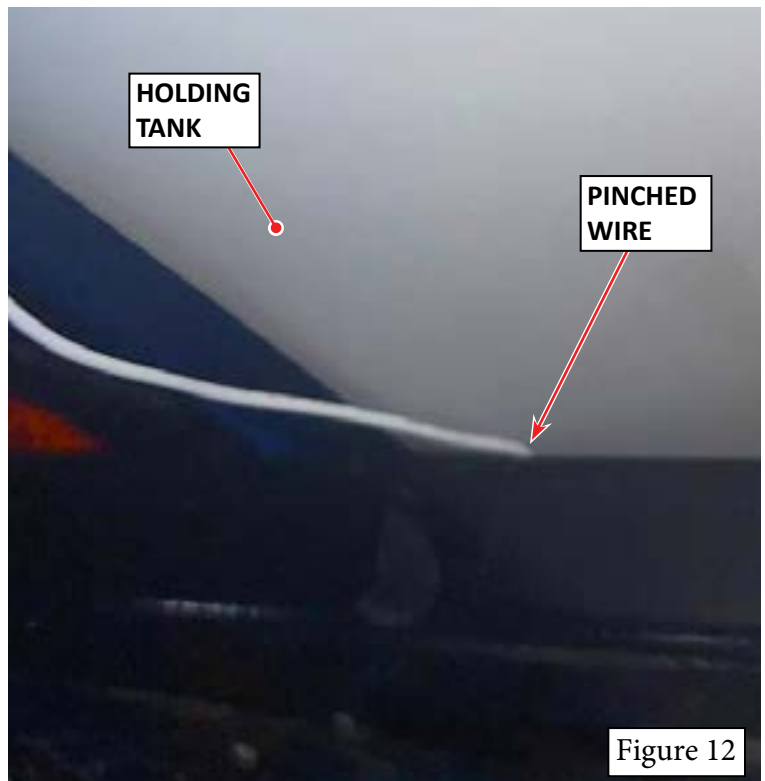
9. Use an impact driver with a 3/8" socket to remove the 3/8" fasteners holding the support bracket in place (Figure 8a). Remove the bracket from under the RV (Figure 8b).



10. Remove the remaining 3/8" fasteners holding the underbelly in place along the off-door side of the frame rail behind the axles. Open the underbelly starting just behind the axles (Figure 9).
11. Locate the wiring for the ODS rear LED strip. Access the Wago connectors for the LED lights. Disconnect the wiring for the LED strip lights (Figure 10).



12. Inspect the wiring along the rear ODS frame rail (Figure 11). Look for loose, unsecured wires. If any loose wires are found, secure to the wiring bundle or frame structure via zip-tie and/or P-clamp.
13. Look for wires that may have become pinched between bracket and holding tanks (Figure 12). Inspect, repair or replace as in Step 7.



## ⚠ DANGER

BE CERTAIN THE RV IS DISCONNECTED FROM SHORE POWER AND THE BATTERIES ARE DISCONNECTED, AND LP IS TURNED OFF BEFORE BEGINNING WORK! FAILURE TO DO SO CAN RESULT IN SEVERE ELECTRICAL SHOCK AND DEATH. ALWAYS REFER TO THE NATIONAL ELECTRICAL CODE (NEC) REGARDING WIRING INSTALLATION AND REPAIRS **BEFORE** PROCEEDING WITH ELECTRICAL WORK.

## ⚠ WARNING

Use caution when working on the electrical system, especially when using metal tools. When a metal tool encounters a live, powered source it will cause the system to short circuit potentially resulting in personal injury, property damage, explosion, or fire.

14. Wiring repairs will differ depending on whether the damaged wires are 120 VAC or 12 VDC. The National Electrical Code (NEC) and NFPA 1192 provide guidelines for safe electrical installations, including wiring repairs. Key aspects for wiring repairs include proper splicing techniques, grounding requirements, and the use of appropriate wiring methods (not shown).
15. Upon completion of inspection and any necessary wiring work, use zip ties and wiring loom as necessary to secure the wire and other wiring to the frame structure of the RV to prevent or minimize movement in transit (refer to Page 7, Figure 5 and Page 9, Figure 11).
16. Install underbelly material to its original position. Lift it carefully and route the wires for the LED light strips through the original holes. Use the original Wago connectors to connect the LED strip wiring to the power wires in the underbelly (refer to Page 6, Figures 3a and 3b and Page 9, Figure 10). Test the lights **BEFORE** proceeding to step 17.
17. Use an impact screw gun and a 3/8" socket to install the original 3/8" fasteners (refer to Page 5, Figures 2a and 2b) to secure the underbelly in place. **NOTE: These 3/8" self-tapping fasteners should be tightened to snug until the washers are flattened; not left loose, or overtightened to avoid stripping or damage to the underbelly material. There is NO torque spec for these fasteners.**
18. Use the original 3/8" fasteners to secure the LP lines to the frame rail (Page 5, Figures 1a and 1b).
19. Reinstall underbelly support brackets (Page 8, Figures 8a and 8b). Tighten to snug (as directed above) until the washers are flattened.
20. Use the hand crank provided with the RV, or a 3/4" socket and ratchet driver to return the spare tire to the stored position under the RV (Page 8, Figure 7a).
21. Repair complete.

