



## IMPORTANT SAFETY RECALL

### \*\* RECALL NOTICE \*\*

**NHTSA Safety Recall# 26V-016**  
**TRANSPORT CANADA# 2026-011**

**TO: Winnebago Motorhome Dealers**

**SUBJECT: Campaign # 201 – Water Tank Heating Pads**

The National Traffic and Motor Vehicle Safety Act, as amended, provides that each vehicle which is subject to a recall campaign of this type must be adequately repaired within a reasonable time after the owner has tendered it for repair. A failure to adequately repair within 60 days after tender of a vehicle is prima facie evidence of failure to repair within a reasonable time.

If the condition is not adequately repaired within a reasonable time, the owners may be entitled to an identical or reasonably equivalent vehicle at no charge or to a refund of the purchase price less a reasonable allowance for depreciation.

To avoid having to provide these burdensome solutions, every effort must be made to promptly schedule an appointment with each owner and to repair their vehicle as soon as possible. As you will see in reading the enclosed copy of the letter, which is being sent to owners, the owners are being instructed to contact Winnebago Motorhomes, if you do not remedy the condition within five days of the mutually agreed upon service date. If the condition is not remedied within a reasonable time, they are instructed on how to contact the National Highway Traffic Safety Administration.

#### **Reason For This Recall**

Winnebago Motorhomes has decided that a defect related to motor vehicle safety exists on certain:

2024 – 2026 Winnebago Navion  
2024 – 2026 Winnebago View  
2024 – 2026 Winnebago Travato  
2024 – 2026 Winnebago Minnie Winnie  
2024 – 2026 Winnebago Spirit  
2026 – 2027 Winnebago Sunflyer  
2021 – 2026 Winnebago Commercial Vehicle  
2023 – 2026 Winnebago 425 Commercial Vehicle

These motor homes were manufactured December 1, 2023, through December 3, 2025. These manufacturing dates are a broad overview and not model specific. Our records indicate that you have purchased a vehicle with the serial number which appears above.

Certain Winnebago Vehicles equipped with *ThermaHeat* Tank Pads have been found to exhibit high resistance at the terminal, which could potentially result in failure. This condition may pose a fire risk, potentially causing personal injury or property damage.



## IMPORTANT SAFETY RECALL

### **Owner Notification**

Owners will be notified of this campaign on their vehicles by Winnebago Motorhomes. For all units in your inventory, the notification will be mailed to you. **DO NOT DELIVER TO A CUSTOMER ANY SUBJECT UNIT UNTIL CORRECTIVE ACTION HAS BEEN TAKEN.**

### **Dealer Campaign Responsibility**

Dealers are to service all vehicles subject to this campaign at no charge to owners regardless of mileage, age of vehicle, or ownership from this time forward.

Whenever a vehicle subject to this campaign is taken into a new or used vehicle inventory or it is in your dealership for service in the future, you should take the steps necessary to be sure the campaign correction has been made before reselling or releasing the vehicle. Owners of vehicles recently sold from your new vehicle inventory are to be contacted by the dealer and arrangements made to make the required corrections according to instructions contained in this campaign.

### **Repair Procedure:**

Refer to instructions for proper replacement of the tank heater pads.

### **Parts Information:**

Order the corresponding Part Kit from Winnebago Motorhomes using the Dealer Portal system to identify the labor operation number and create the order. You will be placing the order as a Recall type. You will need the Recall dealer number and the Winnebago Industries serial number of the affected vehicle to place the order.

### **Reimbursement:**

When the service has been completed, submit the labor amount and labor operation number listed below. Your repair order must be properly signed by both the dealer and the owner.

Effective immediately, all Recall Claims must utilize **SPEC24** as the designated Technical Information Code (TIC) within the Salesforce TIC Code field.

**Labor operation numbers can be found under Vehicle Info on the Dealer Portal.**

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Recall #201 will consist of Remedy A & Remedy B.

Remedy A is **Available Now** and applies to: 2024 – 2026 Winnebago View/Navion, 2024-2026 Winnebago Minnie Winnie, 2024 – 2026 Winnebago Spirit, 2026 – 2027 Winnebago Sunflyer

Remedy B is **Available Now** and applies to: 2024 – 2026 Winnebago Travato

Remedy C is **NOT Available Yet** and applies to: 2023 – 2026 Winnebago 425 Commercial Vehicles, 2021 – 2026 Winnebago Commercial Vehicles

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Winnebago Motorhomes  
Forest City, Iowa 50436



## IMPORTANT SAFETY RECALL

The Models and Model Years listed on Page 1 are within the entirety of Recall 201, which consists of Remedy A, Remedy B and Pending Remedy C. Please refer to the following breakdown of vehicles in Remedy B to aid in the selection of the labor operation and kit to select for Remedy B (Travato Only):

Remedy B is **Available Now** and applies to: 2024 – 2026 Winnebago Travato

To aid in the understanding of the breakdowns, more details on the affected Model Year and Model Floorplans are critical. See the following explanation for more support on which labor operation and parts kit is required for the vehicle you are needing to repair.

- **WGO Model Year:** This indicates the specific Winnebago model year(s) affected by the recall for models manufactured by Winnebago.
- **Revision:** This indicates which model year’s revision is impacted for that model year it is next to. For example (see the screenshot below):

A **2025 Winnebago Travato, Revision 1**, would need **Kit #1 (RC795826701)** and **Labor Operation 24002401**.

WGO Model Year	Revision	Make	Model	Model Code(s) (Floorplan)	WGO Built/Manufacturing Dates Impacted
2024	1	Winnebago	Travato	BU259K, BU259G & BU259GL	12/1/2023 – 4/8/2025
2025	1				

**Note:** For this Remedy B, **only one** model year (**Winnebago Travato 2025**) has half that model year’s impacted vehicles under Kit #1 (RC795826701) with Labor Operation 24002401 (**2025, Revision 1**) and the other half of that model and model year under Kit #2 (RC795926701) with Labor Operation 24002501 (**2025, Revision 2**).

To identify what Parts Kit and Labor Operation is applicable for the specific vehicle (2025 Travatos Only) it is important to identify the vehicle’s model year revision. Please review the vehicle’s **Body Serial Number**, as the **7<sup>th</sup>** digit in that set of numbers is that vehicle’s model year Revision.

Example of a Vehicle’s Body Serial Number having a **Revision 1** of that Vehicle’s Model Year:

152655**1**29719

Example of a Vehicle’s Body Serial Number having a **Revision 2** of that Vehicle’s Model Year:

152655**2**29719



## IMPORTANT SAFETY RECALL

<b>Recall:</b> 201	<b>Remedy:</b> A
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<b>Labor Operation:</b>	<b>HEATING PAD REPLACEMENT 300</b>
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For Model and Model Year: 2024-2026 Winnebago Minnie Winnie, 2024 – 2026 Winnebago Spirit, 2026 – 2027 Winnebago Sunflyer

Operation Number	Dealer Number	Parts Kit Number	Time Allowance	TIC Code
24002201	WG-007956	RC795626701	1.5	SPEC24

<b>Labor Operation:</b>	<b>HEATING PAD REPLACEMENT 500</b>
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For Model and Model Year: 2024 – 2026 Winnebago View/Navion

Operation Number	Dealer Number	Parts Kit Number	Time Allowance	TIC Code
24002301	WG-007957	RC795726701	1.0	SPEC24



## IMPORTANT SAFETY RECALL

<b>Recall:</b> 201	<b>Remedy:</b> B
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<b>Labor Operation:</b>	<b>HEATING PAD REPLACEMENT 200 KIT#1</b>
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For Model and Model Year: 2024-2025 Winnebago Travato  
BU259K, BU259G and BU259GL ONLY

Operation Number	Dealer Number	Parts Kit Number	Time Allowance	TIC Code
24002401	WG-007958	RC795826701	3.0	SPEC24

<b>Labor Operation:</b>	<b>HEATING PAD REPLACEMENT 200 KIT#2</b>
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For Model and Model Year: 2025-2026 Winnebago Travato  
BU259K, BU259G ONLY

Operation Number	Dealer Number	Parts Kit Number	Time Allowance	TIC Code
24002501	WG-007959	RC795926701	3.0	SPEC24

<b>Labor Operation:</b>	<b>HEATING PAD REPLACEMENT 200 KIT#3</b>
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For Model and Model Year: 2024 – 2026 Winnebago Travato  
BU259KL ONLY

Operation Number	Dealer Number	Parts Kit Number	Time Allowance	TIC Code
24002601	WG-007960	RC796026701	4.0	SPEC24

# RECALL 201: TANK HEATING PADS DOCUMENTATION FORM

## RECALL INFORMATION

Winnebago Recall #: **201** | NHTSA #: **26V-016** | Transport Canada #: **2026-011**

**Description:** Certain vehicles with *ThermaHeat Heating Pads* may exhibit high terminal resistance, posing a potential failure and fire risk which could result in injury or property damage.

## VEHICLE INFORMATION

- **VIN\*:** \_\_\_\_\_ **Date of Repair\*:** \_\_\_\_\_
- **Mileage at Remedy\*:** \_\_\_\_\_

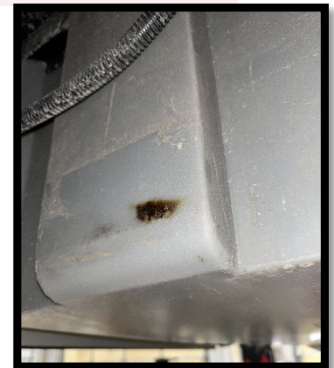
## DOCUMENTATION

### **1. Required Photographic Documentation (Thermal Damage Only) \***

Before proceeding with the remedy, you must take at least three (3) clear photos of the damage present. These images must clearly show the specific area of thermal damage on the vehicle's tanks or removed *ThermaHeat Pads*, including:

- The front & back side of the affected ThermaHeat heating pad(s) & area of damage on the pad(s).
- Evidence of any thermal damage to the tank surface where the ThermaHeat pad was adhered to.

EXAMPLE



### **2. Send an Email to [techservice@wgo.net](mailto:techservice@wgo.net)\***

- Email Subject Line Required: **Recall 201 Tank Heating Pad Documentation**
- Action: Provide the required Vehicle & Incident Data in the context of the email or provide a copy of this form with the required information filled out, and all images from Step 1.

### **3. Retention of ThermaHeat Pads Protocol\***

- **If signs of thermal damage are present:** Retain the affected ThermaHeat pad(s) for return.
- **ThermaHeat Pads Return:** Even if only one pad shows signs of a thermal event, **all** ThermaHeat pads on the vehicle must be returned using the provided label included in the remedy kit.
- **If no signs of thermal damage are present:** Follow standard disposal procedures for the removed pads.

## RETURN SHIPPING PROCESS (THERMAL INCIDENTS ONLY)

**A pre-paid shipping return label is included in each Recall Kit.**

**When to Return:** Return only if the removed *ThermaHeat pads* or the vehicle tanks show visible signs of a thermal event caused by these pads. Place all removed pads from the vehicle in the Recall Kit box (even if just one pad showed any signs of thermal), provide a copy of the Warranty claim within the box and use/apply the pre-paid return label provided.

If you have any questions, please contact the Winnebago Industries Technical Service Department by calling 1-866-653-4329 or by email: [techservice@wgo.net](mailto:techservice@wgo.net). This document is confidential and is intended for dealer use only.



## Travato Tank Heating Pads (Kit #1)

Classification		Parts Kit Required			
Recall # 201	<b>Part #</b>	RC795826701	<b>Description</b>	HEATING PAD REPLACEMENT 200 KIT#1	
<b>Labor Operation #</b>	24002401				
Condition					
Certain vehicles with ThermaHeat Heating Pads may exhibit high terminal resistance, posing a potential failure and fire risk which could result in injury or property damage.					
Correction					
Remove and replace existing tank heater pads (330035-01-000) (qty 3) with new tank heater pads (364953-01-000) (qty 3). One tank heater pad is located on the gray waste tank, one tank heater pad is located on the black waste tank, and one tank heater pad is located on the freshwater tank.					
WGO Model Year	Revision	Make	Model	Model Code(s) (Floorplan)	WGO Built/Manufacturing Dates Impacted
2024	1	Winnebago	Travato	BU259K, BU259G & BU259GL	12/1/2023 – 4/8/2025
2025	1				
<b>Disclaimer:</b> Read the entire instructions carefully before starting the procedure. If you have any questions, please contact the Winnebago Industries Technical Service Department by calling 1-866-653-4329 or by email: <a href="mailto:techservice@wgo.net">techservice@wgo.net</a> . This document is confidential and is intended for dealer use only.					

## Part(s) Required – Kit Description

### Kit Contains:

1. Butt Splice Reducer (12-10 / 16-14 AWG) (360568-01-000) - (3)  
(1 per each gray, black & freshwater tank red heater pad red wire)
2. Pig tail assembly (365011-01-000) (3) (1 per each gray, black & freshwater tank white heater pad wire)
3. Heating Pad (364953-01-000) (3)
4. Wire tie-14" (008343-02-000) (3) (As required)
5. Nut-Hex w/nylon loc 3/8-16 (000D29-06-00B) (16)
6. Washer 3/8" (000E13-18-00B) (16)
7. VHB TAPE, DBL COATED (076322-23-000) (48 Inches) (1 x 14" **259K ONLY** & 1 x 9")
8. SEAL-WIPE (115075-03-000) (48 Inches) (1 x 14" **259K ONLY** & 1 x 9")
9. Conduit-convoluted (041935-09-000) (24 Inches) (As required)

## Shop Supplies

1. Drill/screw gun.
2. 9/16" Deep well socket
3. Torque wrench
4. Adjustable wrench
5. #2 Phillips screwdriver
6. Scissors
7. Plastic scraper
8. Pick or small flat blade screwdriver
9. Two bar or similar clamps
10. Wire Cutters/stripper
11. Thermo gun
12. Heat gun
13. Isopropyl Alcohol
14. Shop towels
15. Pressure Roller
16. Electrical tape
17. Manus Sealant
18. Caulk gun

**Reference Page 3 for Parts Kit Items.**

# Part(s) required

1.



2.



3.



4.



5.



TM

6.



7.



8.



9.



# Steps & Procedures

Before performing the repair, ensure the Black, Gray, and Fresh Water Tanks have a Surface Temperature of 55 degrees Fahrenheit or warmer to ensure appropriate adhesion of the New tank Heating pads.

## Step 1 – Prep For Rework.

- A. Turn off the coach battery, verify no power to 12V or 110V systems.
- B. Use dump valves to drain black and gray tanks into a sanitary sewer.

**BU259K  
ON REAR DRIVERS SIDE UNDER BUMPER**

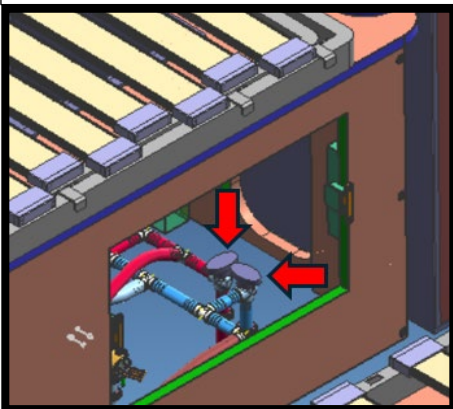


**BU259G/GL  
ON REAR DRIVERS SIDE QUARTER**

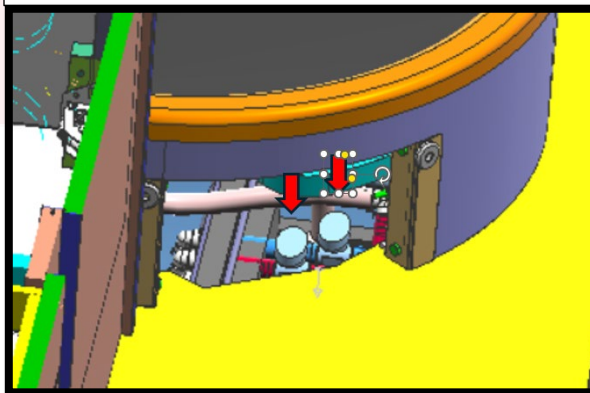


- C. Use freshwater line drains to drain fresh water from the system.

**259K  
BEHIND ACCESS PANEL OF  
DRIVERS SIDE BED CABINET**



**259G/GL  
BEHIND ACCESS PANEL BELOW SHOWER  
PAN**



## Step 2 - Lift the Vehicle

- A. Ensure the vehicle's ignition is OFF before lifting the vehicle.
- B. Use 4 lifts or hoists to lift the vehicle and ensure they are safely set to hold the vehicle while the rework is done.
- C. Ensure the hoists do not damage the windows of the sidewalls while the vehicle is being lifted.

**Note:** Verify the lift is working properly and your working area is safe to work in.

## Step 3 – Drain residual water from freshwater tank.

- A. Using adjustable wrench, remove drain bung cap from freshwater tank to drain residual water from the tank into bucket and dispose.
- B. Using adjustable wrench, re-install bung cap and tighten. TM



#### Step 4 – Disconnect gray and black heater pad wiring.

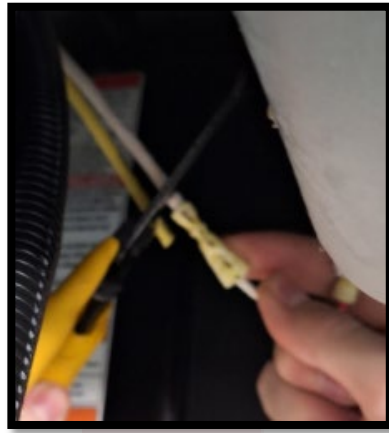
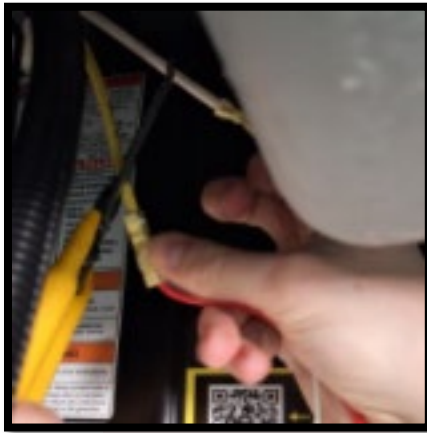
- A. Cut off zip tie(s) securing the chassis loom near the heating pad with scissors. (As required)



- B. Using scissors, cut electrical tape at end of heater wire convoluted tubing near pad with scissors.



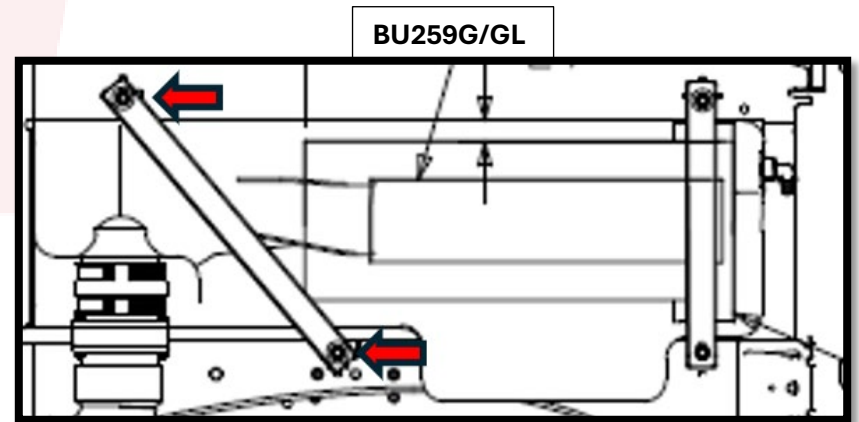
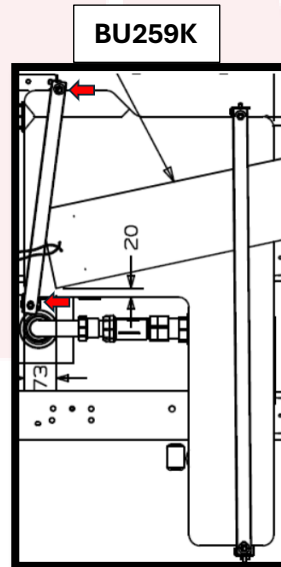
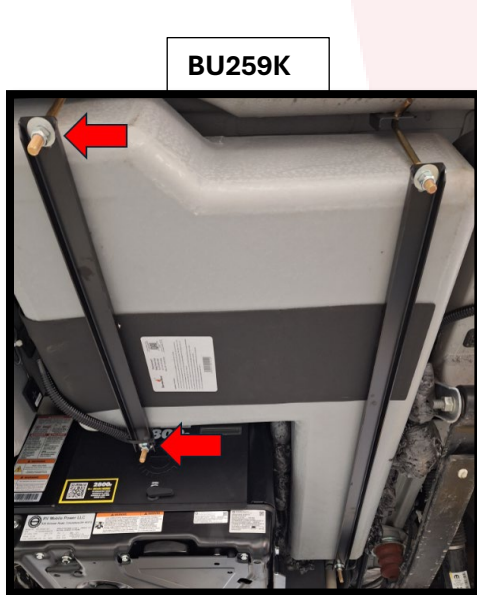
- C. Pull wires from tubing until butt connectors are exposed, then cut yellow and white harness wires on coach side of butt connectors.



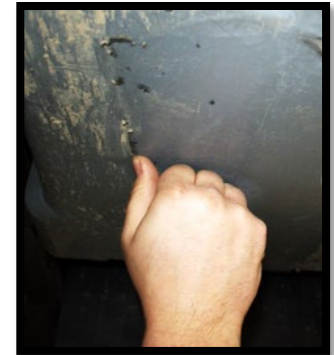
**Step 6 - Gray tank heater pad removal and re-installation.**

- A. Using 9/16" socket, remove 3/8" nylon loc nuts and washers from hanger bracket noted below. Remove bracket and set aside for re-assembly. (discard nuts and washers)

**ONLY HAVE ONE STRAP REMOVED AT A TIME SO TANK DOES NOT FALL AND CAUSE POSSIBLE DAMAGE TO PLUMBING CONNECTIONS.**

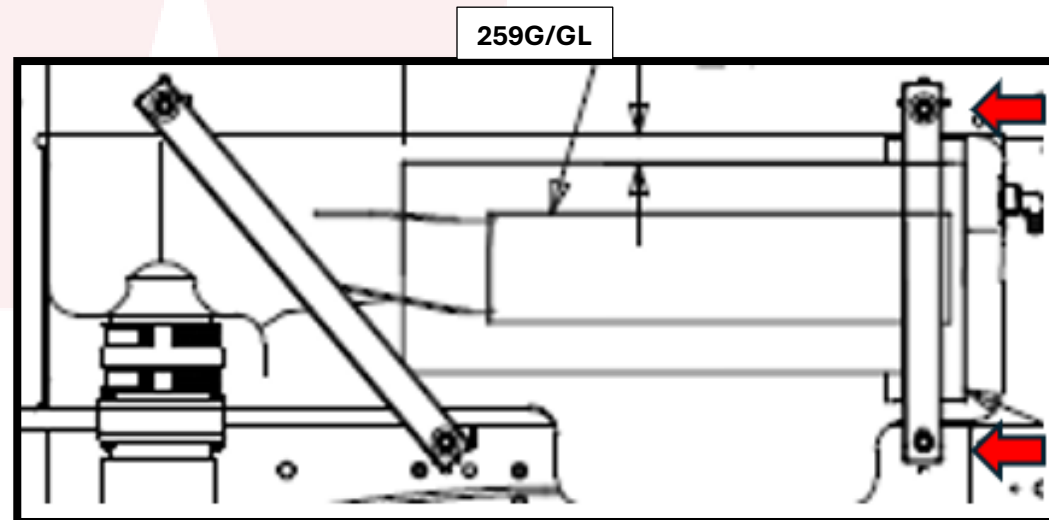
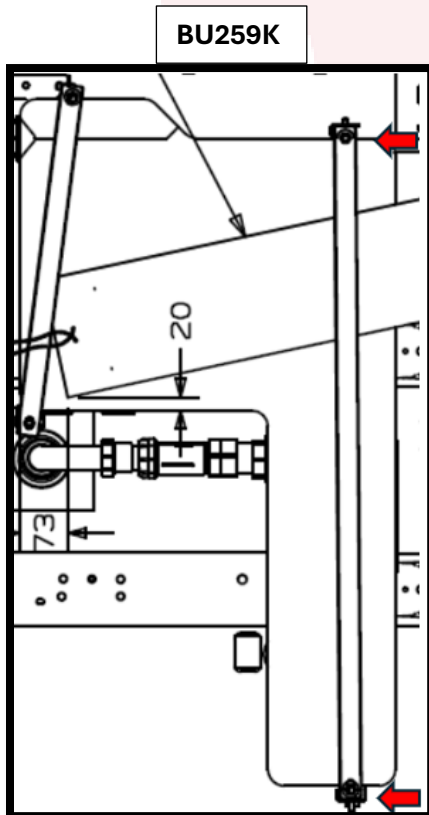


- B. Peel and scrape heater pad off from area under inboard bracket.
- C. Using your bare hand, apply pressure and roll off any adhesive still on the tank near the inboard bracket.

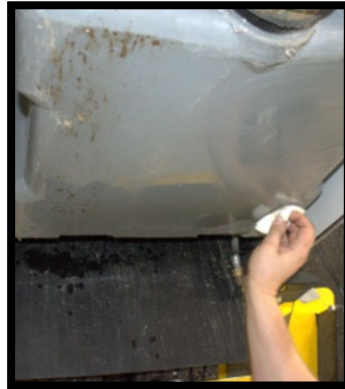


**DO NOT USE ANY TOOL TO REMOVE RESIDUE THAT CAN POTENTIALLY DAMAGE THE INTEGRITY OF THE TANK.**

- D. Reinstall bracket removed in previous step with new washers and 3/8" nylon loc nuts and snug nuts with 9/16" socket.
- E. Using 9/16" socket, remove 3/8" nylon loc nuts and washers from hanger bracket noted below. Remove bracket and set aside for re-assembly. (discard nuts and washers)



- F. Repeat steps 6.B. & C to remove the remainder of the heating pad from the tank.
- G. Clean area where the pad was removed with isopropyl alcohol and clean shop towel. Allow to dry for 1-2 minutes until completely dry. **DO NOT USE ANY OTHER TYPE SOLVENT OTHER THAN ISOPROPYL ALCOHOL FOR FINAL CLEANING OF SURFACE**



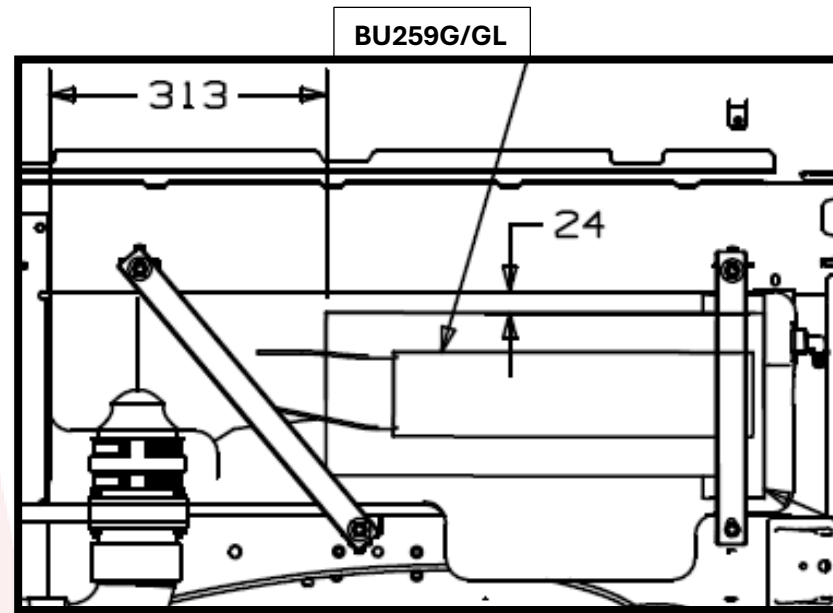
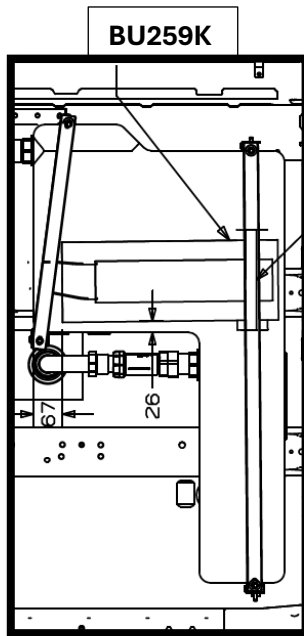
- H. Use a thermo-gun to measure the temperature of the tank surface and ensure the temperature exceeds 55°F (12.8°C) or warmer.



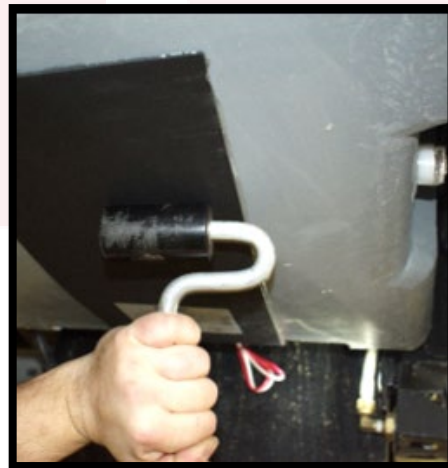
Proper Temperature reading should be at 55 degrees Fahrenheit or warmer.

**NOTE:** If the tanks do not exceed this temperature, use a heat lamp or heat gun to ensure the tank is above this temperature. Failure to adhere the heating pads at an appropriate tank surface temperature may cause the adhesive to fail.

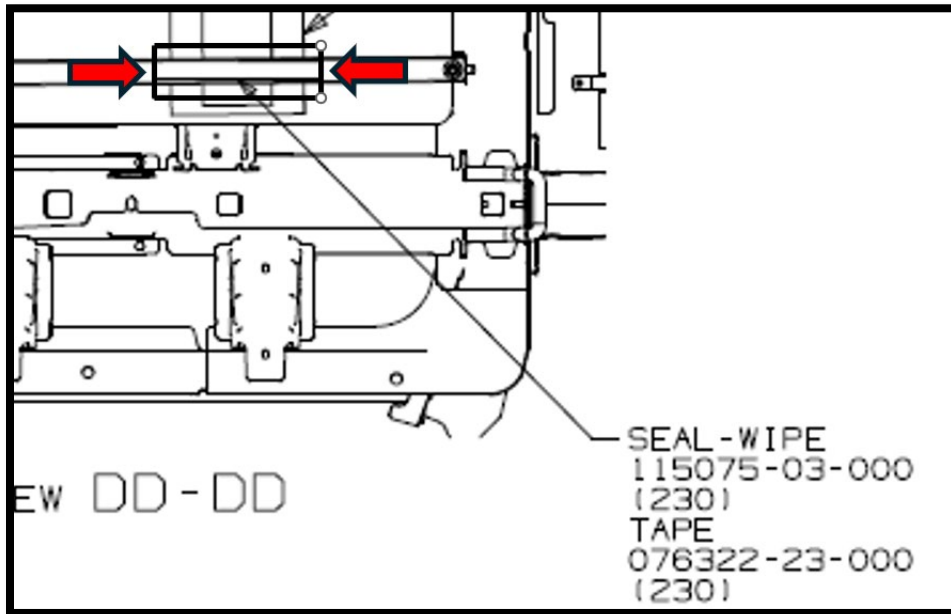
- I. Per dimensions noted below, start adhering the new pad at the wire connection side near inboard bracket and then follow through and adhere the rest of the heating pad appropriately, removing the paper side of the adhesive with one hand as you apply the pad with pressure with your other hand.



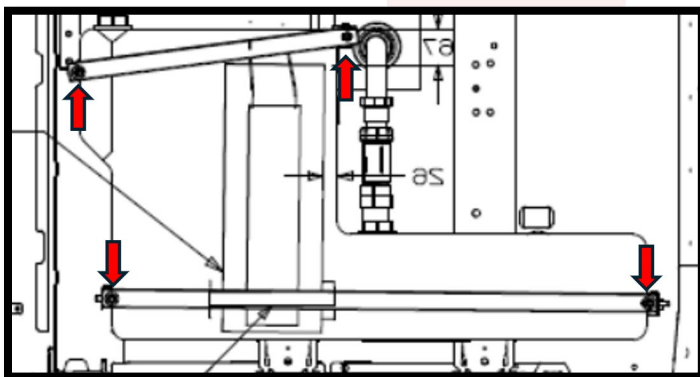
- J. Once the entire heating pad is applied to the tank, use a pressure roller and apply pressure to the adhered surfaces of the pad on the tank.



- K. Use scissors to cut a 9-inch strip of VHB Tape (076322-23-000) and Seal-Wipe (115075-03-000). Install the VHB tape on the wipe seal.
- L. On the tank bracket set aside earlier on step E., clean foam any debris off the surface of the outboard tank bracket set aside earlier. Remove the VHB tape backing and install the seal-wipe to the area bracket that sets over the heating pad. **(259K shown)**

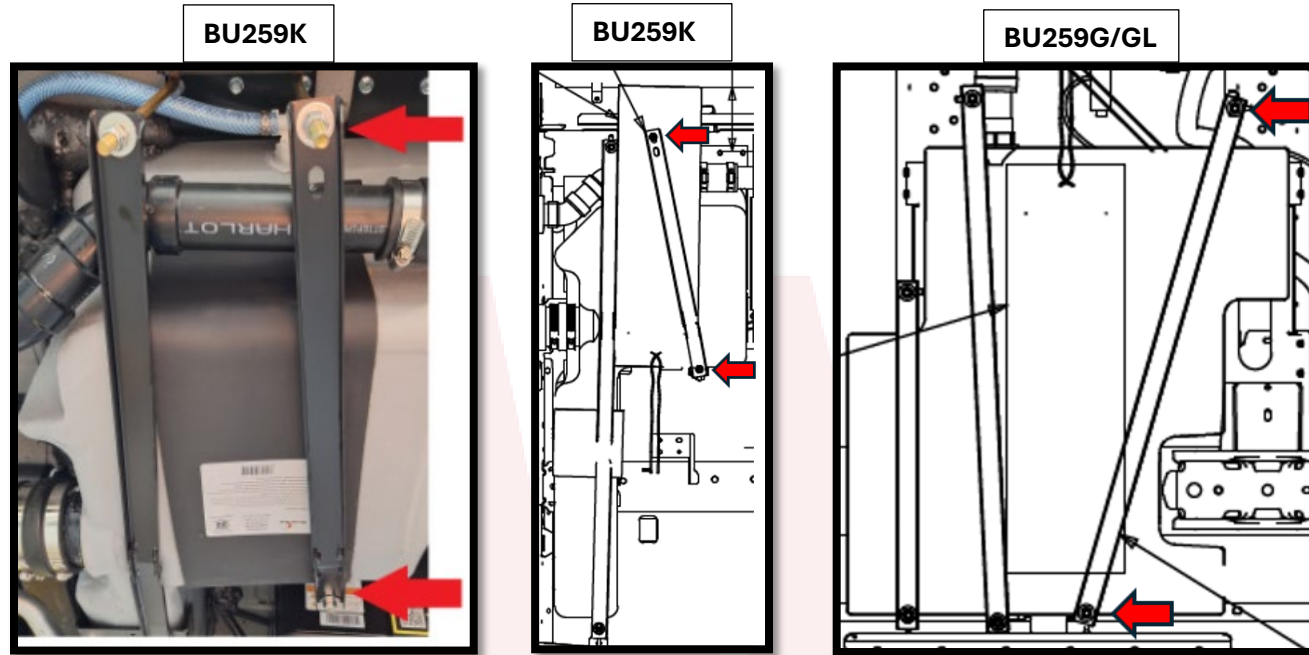


- M. Using 9/16" socket, reinstall hanger bolts and u-channel using new washers and 3/8" nylon loc nuts. Tighten all four nylon loc nuts evenly until the tank is secure and brackets compress tank slightly. Ensure brackets are tight and do not move. **(259K shown)**



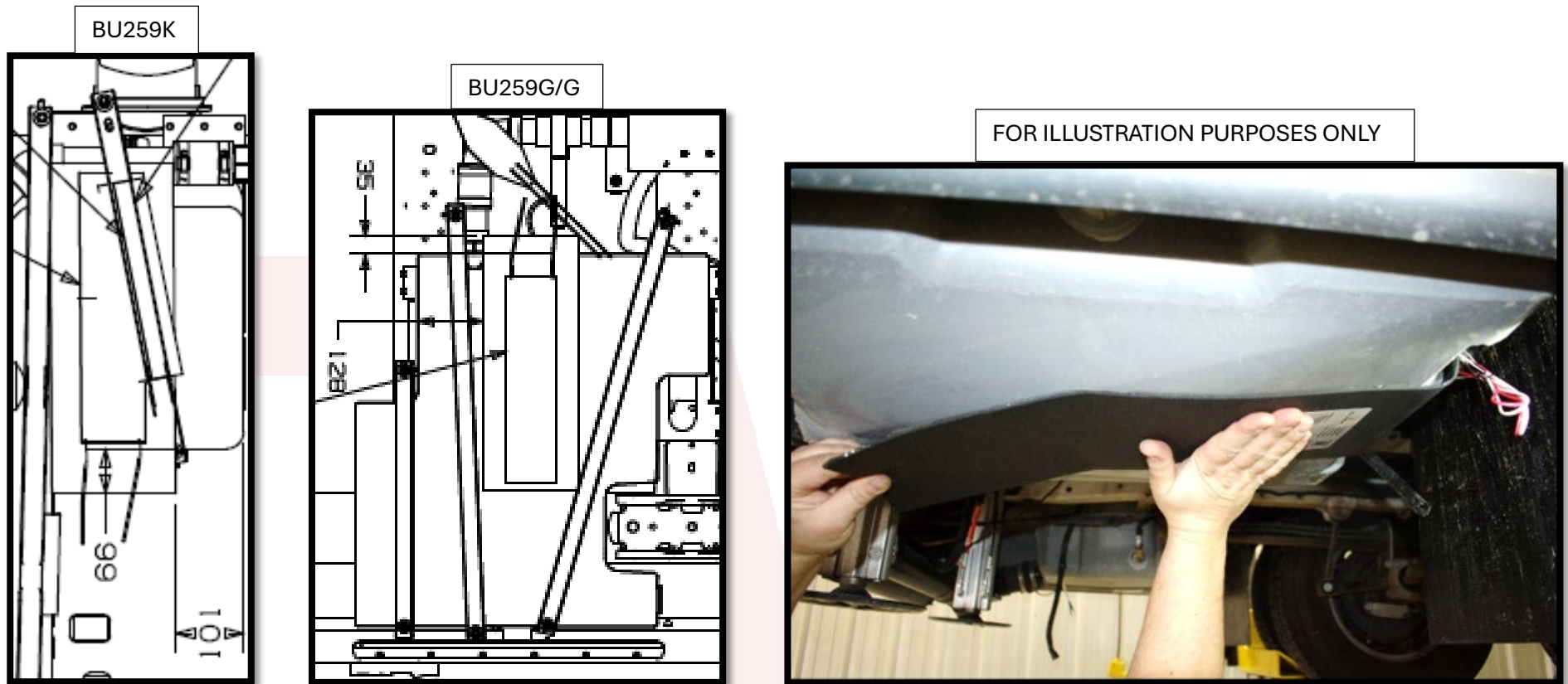
## Step 7 - Black tank heater pad removal and re-installation.

- A. Using 9/16" socket, remove 3/8" nylon loc nuts and washers from hanger bracket noted below. (discard nuts and washers)



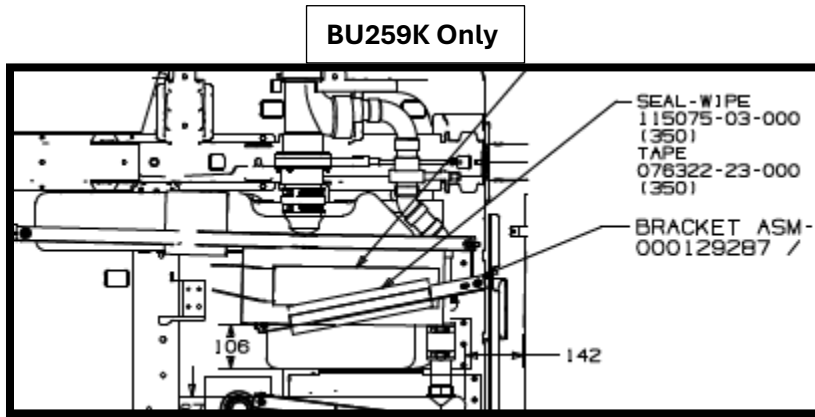
- B. Peel and scrape heater pad from tank.  
C. Using your bare hand, apply pressure and roll off any adhesive still on the tank. (See illustration on step 6.C.)  
D. Clean area where pad was removed with isopropyl alcohol and clean shop towel. Allow to dry for 1-2 minutes until completely dry. (See illustration on step 6.G.) **NOT USE ANY OTHER TYPE SOLVENT OTHER THAN ISOPROPYL ALCOHOL FOR FINAL CLEANING OF SURFACE**  
E. Use a thermo-gun to measure the temperature of the tank surface and ensure the temperature exceeds 55°F (12.8°C) or warmer. (See illustration on step 6.H.)

- F. Per dimensions noted below, start adhering the new pad at the wire connection side and then follow through and adhere the rest of the heating pad appropriately, removing the paper side of the adhesive with one hand as you apply the pad with pressure with your other hand.



- G. Use a pressure roller and apply pressure to the adhered surfaces of the pad on the tank. (See illustration on step 6.J.)
- H. Use scissors to cut a 14-inch strip of VHB Tape (076322-23-000) and Seal-Wipe (115075-03-000). Install the VHB tape on the wipe seal.

- I. On the tank bracket set aside earlier on step A., clean any foam and debris off the surface of the strap and remove the VHB tape backing and install the wipe seal in the area of bracket that sets over the heating pad. **(259K ONLY)**



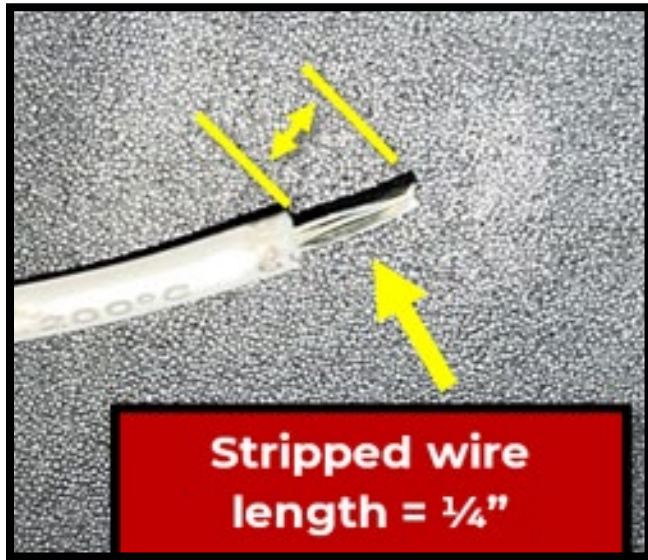
- J. Reinstall hanger bolts and u-channel using new washers and 3/8" nylon loc nuts and 9/16" socket. Tighten nuts evenly until the tank is secure and bracket compress tank slightly. Ensure all four tank brackets are tight and do not move.

**Note:** Verify the tank strap does not go over the built-in sensor on the heat pad before tightening tank strap nuts.

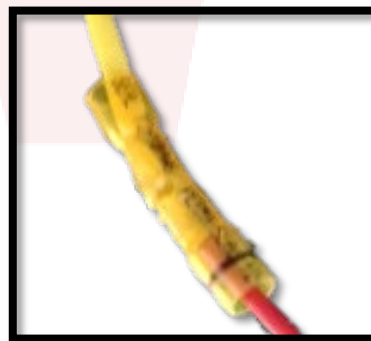


## Step 8 - Make the Wire Connections to coach harness and Secure the Chassis Wire Loom.

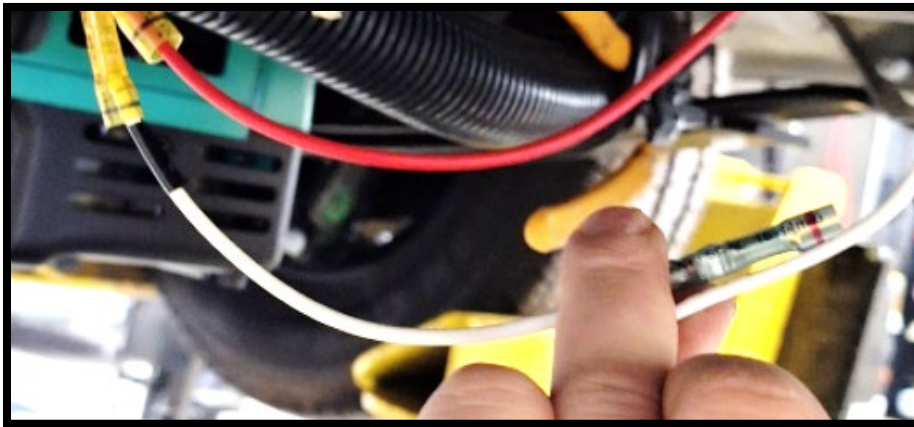
- A. With wire cutter, cut off excess red and white heating pad wires. **ENSURE THERE WILL BE ENOUGH WIRE TO MAKE CONNECTION TO THE WIRE HARNESS AND NOT STRESS CONNECTIONS WHEN RE-SECURED.**
- B. Using wire strippers, strip ends of red and white heater pad wires and yellow and white harness wires about ¼”.



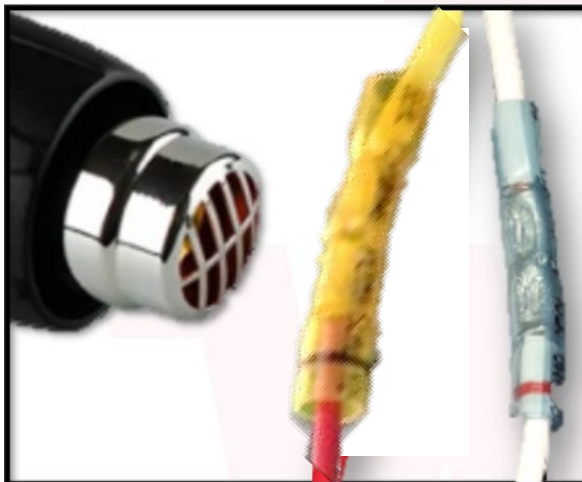
- C. Install and crimp new butt splice connector and pigtail assembly to white and yellow harness wires. Use 1 butt connector (Positive) and one pigtail assembly (Negative) for each connection.
- D. **Black, gray & freshwater tank (positive):** Crimp red heating pad wire to yellow chassis loom wire using (12-10 / 16-14 AWG) 000301806 butt splice. (16-14 AWG end to red heating pad wire)



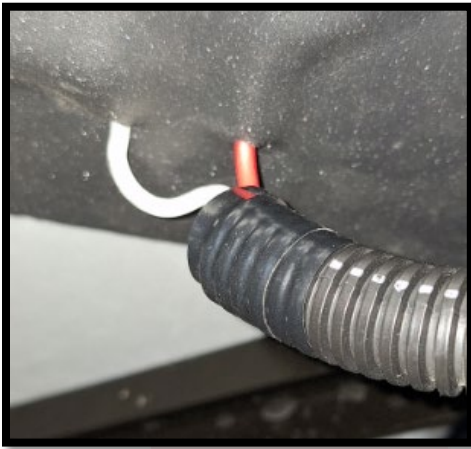
- E. **Black, gray & freshwater tank (negative):** Connect white heating pad wire to the white chassis loom wire using pigtail assembly 000321830. Crimp 18 AWG end to white heater pad wire and 10 AWG end to white harness wire. Cut heater pad wire to size as required so both wire assemblies are equal length.



- F. Using heat gun, shrink all butt connections that were made. Apply heat while rotating connectors until connector is sealed around wires.



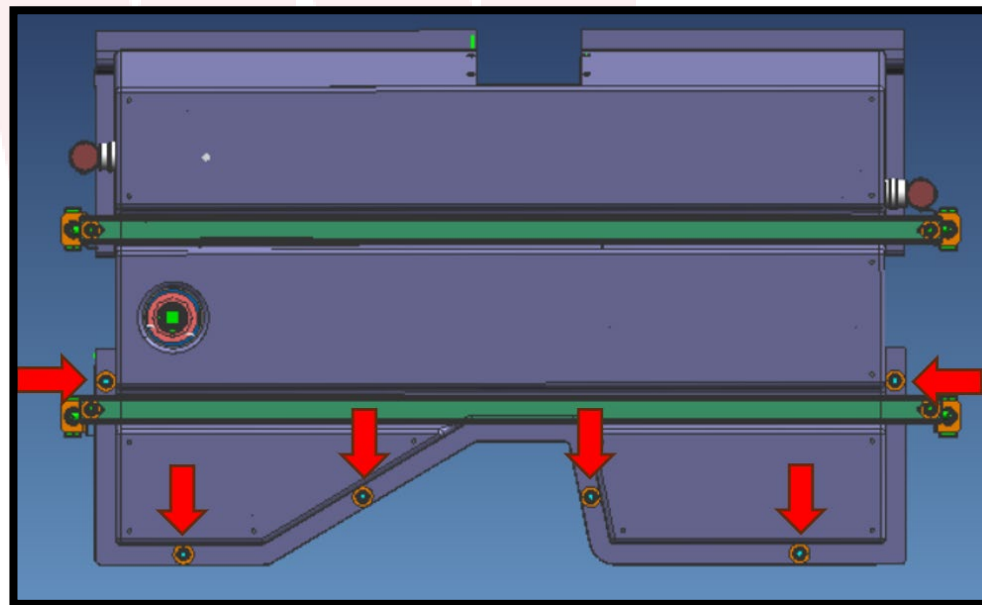
G. Route wires back into convoluted tubing where applicable. Adding additional conduit if required. Tape connections of tubing and re-tape end of tubes securing wires with electrical tape.



H. Use wire tie(s) to secure the chassis wire loom tubing the same way it was when old wire tie(s) were removed.

### Step 9 – Fresh water tank heater pad removal and re-installation.

A. Using 9/16" socket, remove six 3/8" nylon lock nuts and washers from compartment lower cover. (discard nuts and washers)



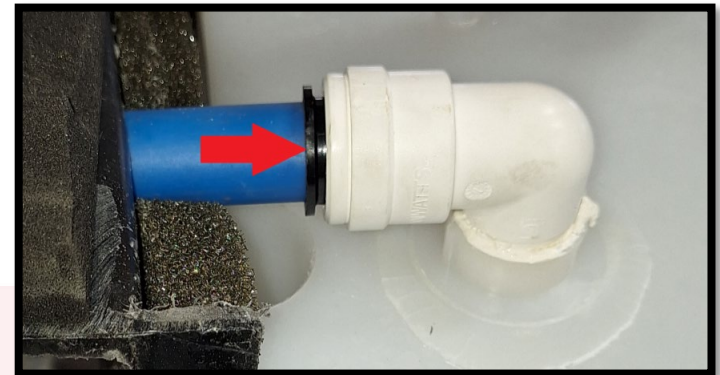
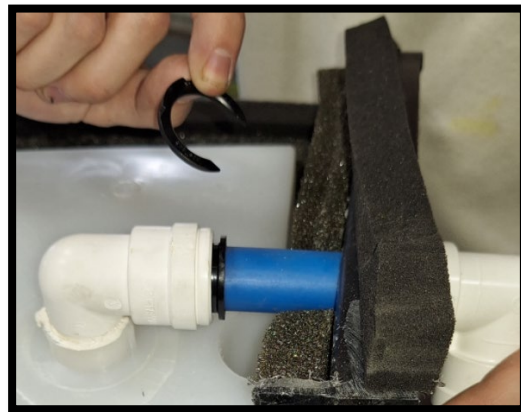
B. Using 9/16" socket, remove four 3/8" nylon lock nuts and washers from u-channel hanger bolts. (discard nuts and washers) Set aside u- channel and hanger bolts for reinstallation.



C. Separate compartment and tank from top cover pulling down to access freshwater tank. Support tank and lower compartment housing with suitable jack.



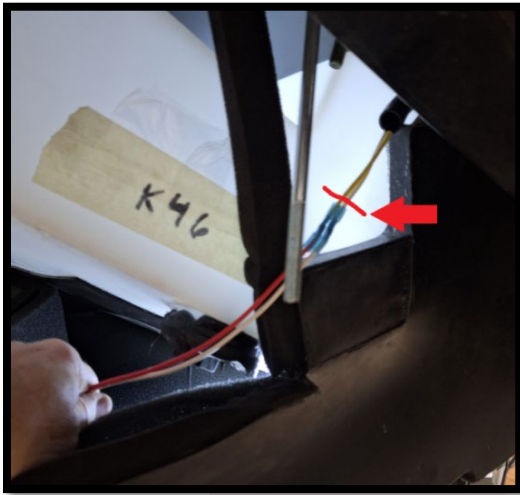
D. With pick or flat blade screwdriver, remove retainer clips from two overflow elbows on each side of tank and set them aside for re-assembly later. Push shark bite inserts in, twist and pull overflow tubes out from the elbow through the holes in the lower tank compartment and set them aside for re-assembly later.



E. Use one of the compartment j-hook hangers or similar hook tool down between tank and compartment to pull tank up out of compartment exposing heating pad. Clamp the tank up to compartment cover on both sides using bar clamps.



- F. Follow wires from heating pad to butt connectors connected to coach harness. Cut yellow and white harness wires on coach side of heating pad butt connectors.

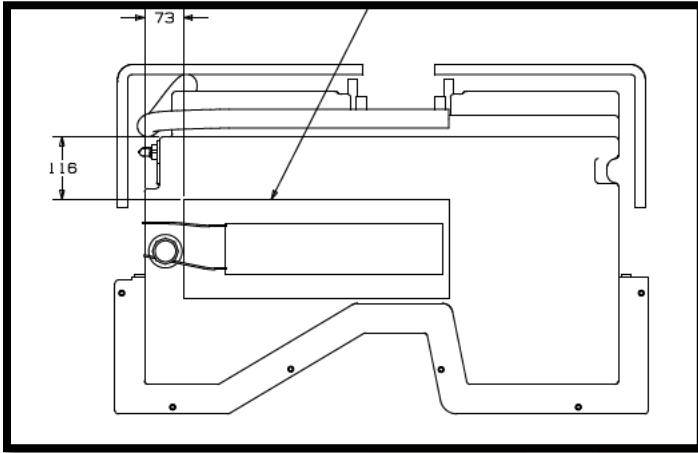


- G. Scrap and peel old heating pad from tank.

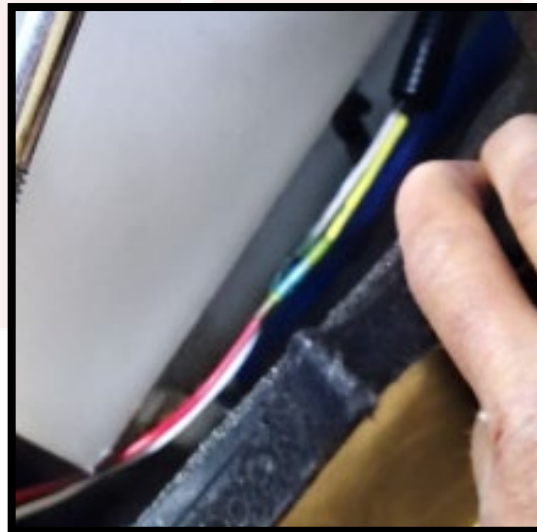
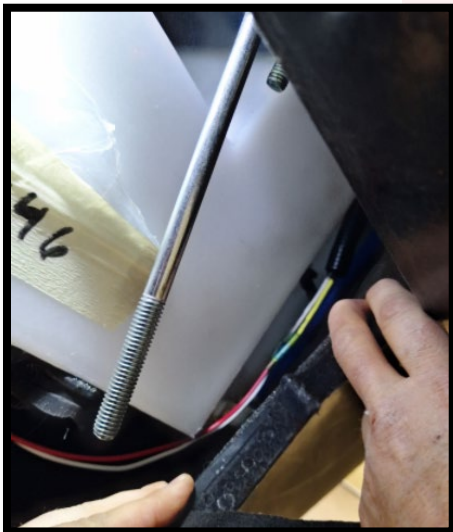


- H. Using your bare hand, apply pressure to roll off any adhesive still on the tank. (See illustration on step 6.C.)
- I. Clean area where pad was removed with isopropyl alcohol and clean shop towel. Allow to dry for 1-2 minutes until completely dry. (see illustration on step 6.G.) **DO NOT USE ANY OTHER TYPE SOLVENT OTHER THAN ISOPROPYL ALCOHOL FOR FINAL CLEANING OF SURFACE**

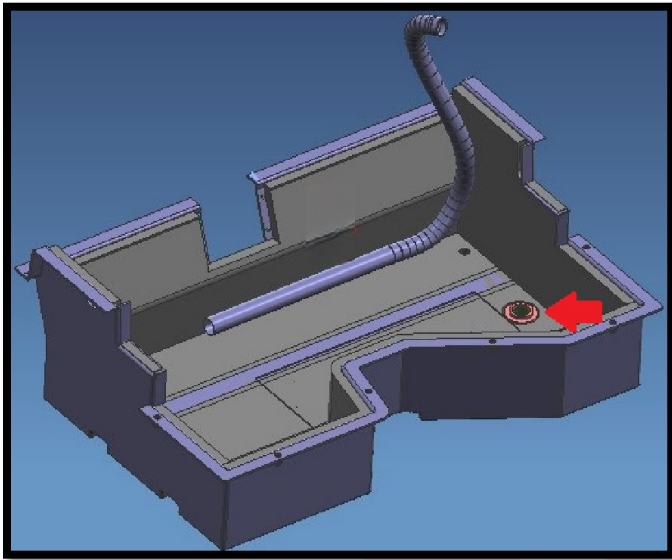
- J. Use a thermo-gun to measure the temperature of the tank surface and ensure the temperature exceeds 55°F (12.8°C) or warmer. (see illustration on step 6.H.)
- K. Per dimensions noted below, start adhering the new pad at the wire connection side and then follow through and adhere the rest of the heating pad appropriately, removing the paper side of the adhesive with one hand as you apply the pad with pressure with your other hand.



- L. Once entire heating pad is applied to the tank, use a pressure roller and apply pressure to the adhered surfaces of the pad on the tank. (See illustration on step 6.J.)
- M. Make the wire connections to coach harness. (See step 8.) Route wiring in void area of tank along with sensor wires.



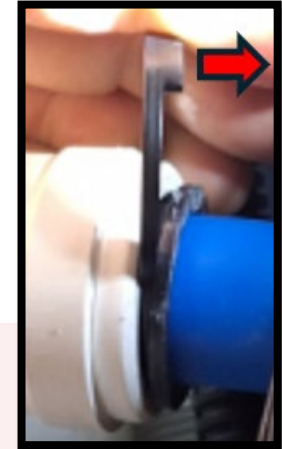
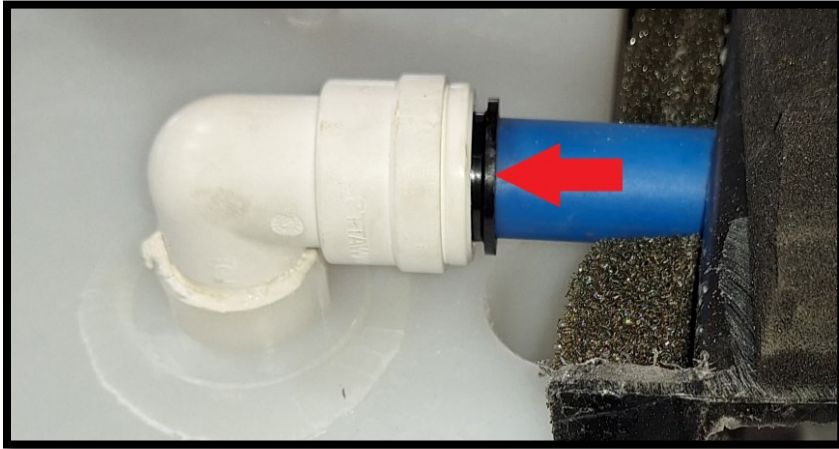
N. Apply sealant around drain bung as required to seal compartment, then re-install tank into the compartment with heater duct in place.



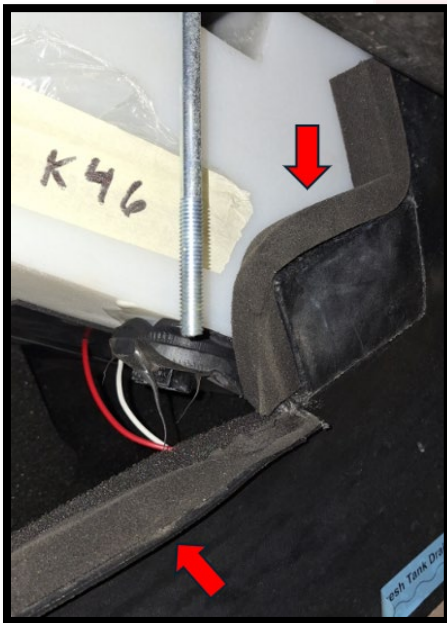
O. Remove bar clamps and slide tank back into compartment. Verify insulation around the tank is in place and any insulation that may have been removed is replaced.



P. Re-install overflow tubes set aside earlier through the holes in the lower tank compartment. Push shark bite inserts in and push overflow tubes that were retained earlier fully into the elbows. Reinstall retainer clips behind inserts on elbows to lock inserts with tab facing toward tubing.



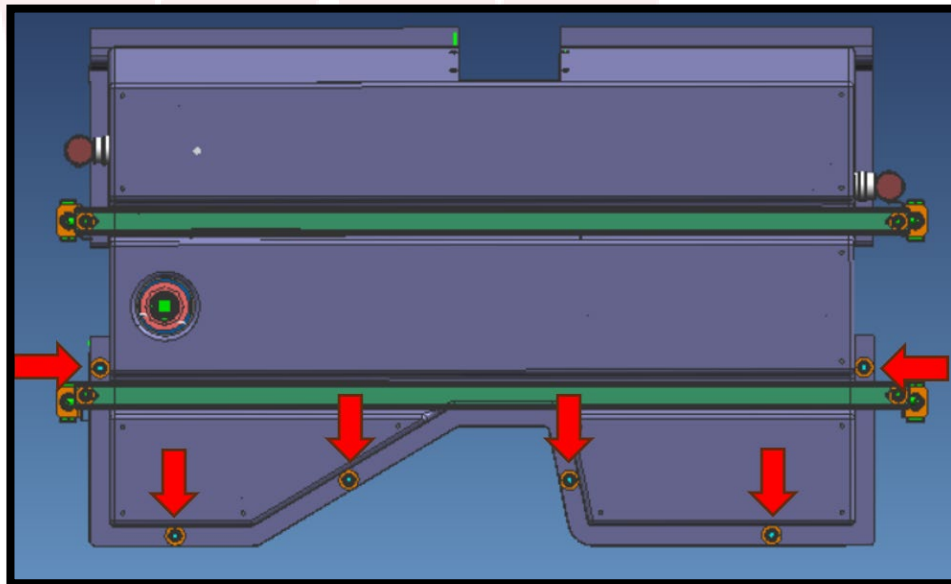
Q. Ensure foam seal around the perimeter of the compartment is in place, then use jack to raise compartment back into place over studs and against top cover.



R. Reinstall hanger bolts and u-channel using new washers and 3/8" nylon loc nuts. Tighten nuts evenly using 9/16" socket until the tank is secure and brackets compress tank slightly. Ensure brackets are tight and do not move.



S. Install six new washers and 3/8" nylon loc nuts to studs on compartment cover tighten with 9/16" socket and ensure a torque of **6Nm +/- 0.6 Nm** on the freshwater tank cover.



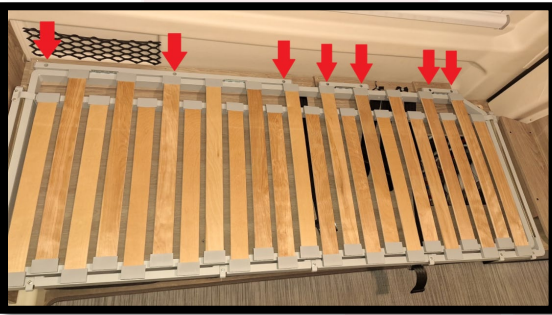
## Step 10 – Lower vehicle

### Step 11 – Verify freshwater tank connections. (259K) **Go to step 12 for 259G/GL**

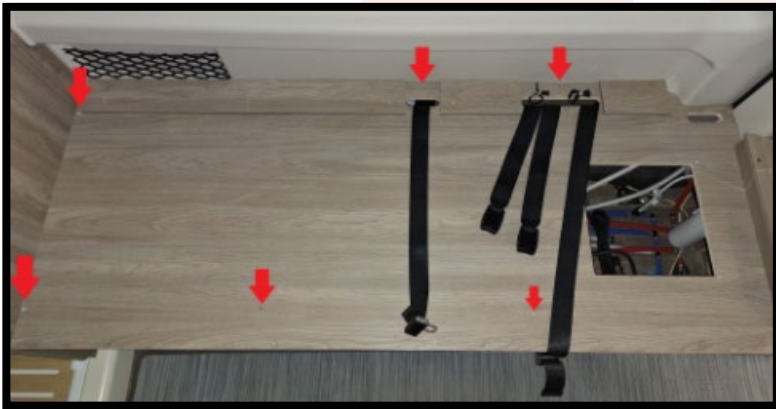
- A. Remove drivers side bed cushion and set aside for re-installation.



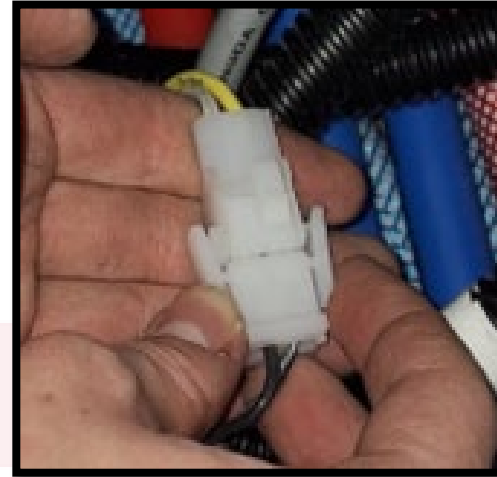
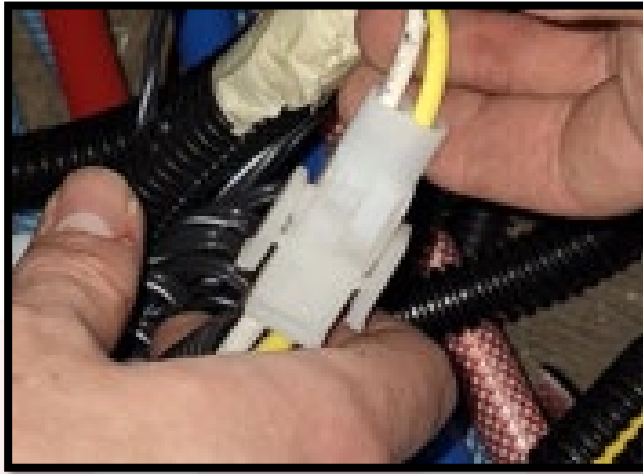
- B. Remove seven Phillips screws and set aside for re-installation. Remove bed frame and set aside re-installation.



- C. Remove six Philips screws and set aside for re-installation. Remove bed panel assembly and set aside for re-installation.



D. Under drivers' side bed cabinet, check to ensure that the tank heater duct is not pulled out of the ducting wye and that the heating pad and tank sensor wires are still connected and not pulled loose or damaged. They should be the only 2 pin connections in this area routing through the floor.



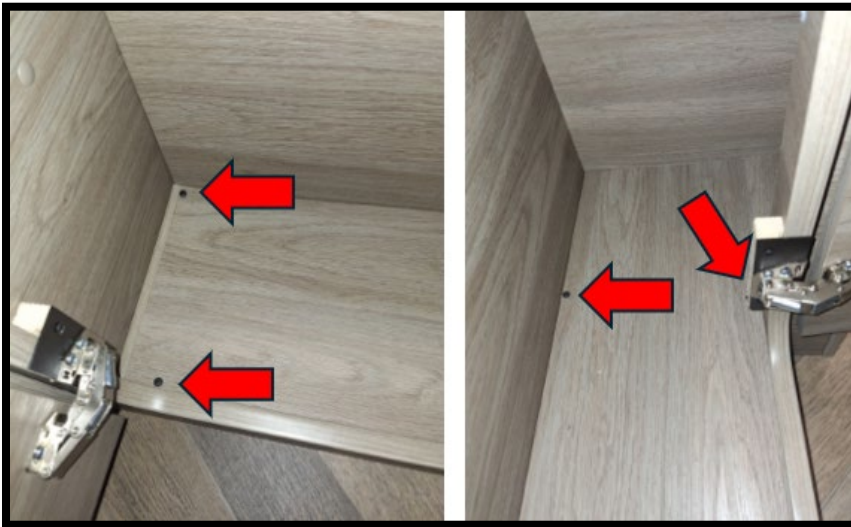
E. Re-install bed panel assembly, bed frame and bed cushion removed in previous steps 10.A-C.

### Step 12 – Verify freshwater tank connections. (259G/GL)

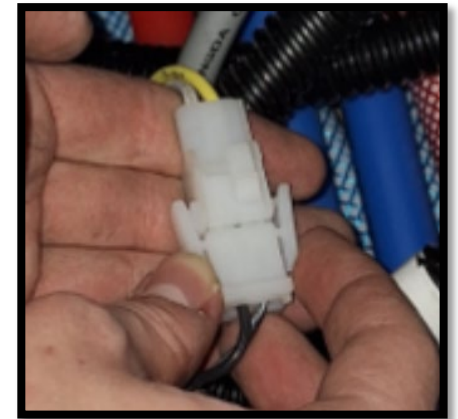
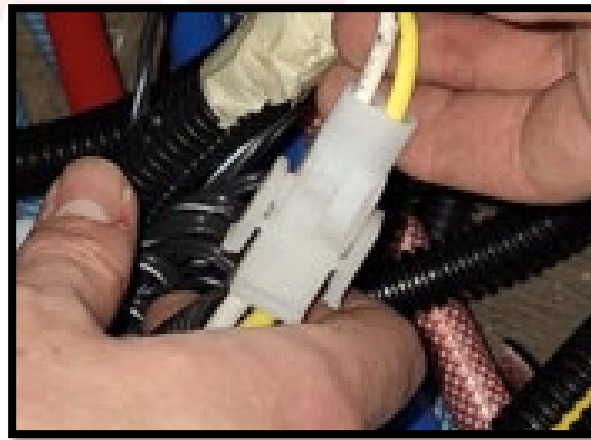
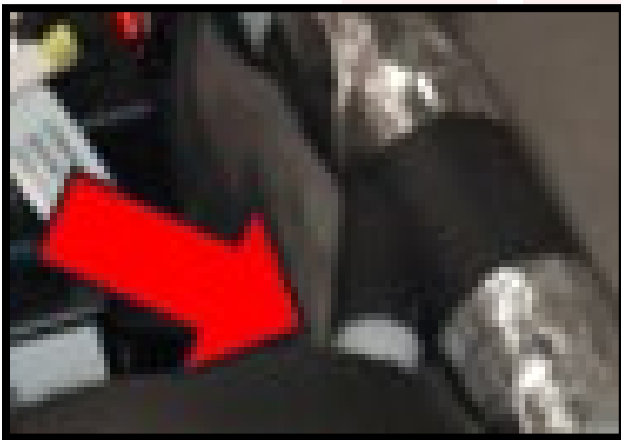
A. Open the storage compartment located on the side of the bed cabinet on the driver's side.



B. Remove four Phillips screws from bottom panel and set aside for re-installation. Remove panel and set it aside for re-installation.



C. Check to ensure that the tank heater duct is not pulled out of the ducting wye and that the heating pad and tank sensor wires are still connected and not pulled loose or damaged. There should be only two 2 pin connections in this area routing through the floor.



D. Re-install the panel removed on step 12.B.

The Rework is Now Complete!



## Travato Tank Heating Pads (Kit #2)

Classification		Parts Kit Required			
Recall # 201	<b>Part #</b>	RC795926701	<b>Description</b>	HEATING PAD REPLACEMENT 200 KIT#2	
<b>Labor Operation #</b>	24002501				
<b>Condition</b>					
Certain vehicles with ThermaHeat Heating Pads may exhibit high terminal resistance, posing a potential failure and fire risk which could result in injury or property damage.					
<b>Correction</b>					
Remove and replace existing tank heater pads (330035-01-000) (qty 3) with new tank heater pads (364953-01-000) (qty 3). One tank heater pad is located on the gray waste tank, one tank heater pad is located on the black waste tank, and one tank heater pad is located on the freshwater tank.					
WGO Model Year	Revision	Make	Model	Model Code(s) (Floorplan)	WGO Built/Manufacturing Dates Impacted
2025	2	Winnebago	Travato	BU259K, BU259G	9/11/2024 – 10/21/2025
2026	1				
<b>Disclaimer:</b> Read the entire instructions carefully before starting the procedure. If you have any questions, please contact the Winnebago Industries Technical Service Department by calling 1-866-653-4329 or by email: <a href="mailto:techservice@wgo.net">techservice@wgo.net</a> . This document is confidential and is intended for dealer use only.					

## Part(s) Required – Kit Description

### Kit Contains:

1. Butt Splice Reducer (12-10 / 16-14 AWG) 360568-01-000 - (2)  
(1 per each gray & black water tank red heater pad red wire)
2. Pig tail assembly (365011-01-000) (2) (1 per each gray and black water tank white heater pad wire)
3. Butt Splice (16-14AWG) 326467-01-000 (1 per freshwater tank heater pad red wire)
4. Butt Splice Reducer (16-14 / 22-18AWG) 326905-01-000 (1 per freshwater tank heater pad white wire)
5. Heating Pad (364953-01-000) (3)
6. Wire tie-14" (008343-02-000) (3) (As required)
7. Nut-Hex w/nylon loc 3/8-16 (000D29-06-00B) (16)
8. Washer 3/8" (000E13-18-00B) (16)
9. VHB TAPE, DBL COATED (076322-23-000) (48 Inches) (1 x 14" **259K ONLY** & 1 x 9")
10. SEAL-WIPE (115075-03-000) (48 Inches) (1 x 14" **259K ONLY** & 1 x 9")
11. Conduit-convoluted (041935-09-000) (48 Inches) (As required)

## Shop Supplies

1. Drill/screw gun.
2. 9/16" Deep well socket
3. Torque wrench
4. Adjustable wrench
5. #2 Phillips screwdriver
6. Scissors
7. Plastic scraper/chisel
8. Pick or small flat blade screwdriver
9. Two bar or similar clamps
10. Wire Cutters/stripper
11. Thermo gun
12. Heat gun
13. Isopropyl Alcohol
14. Shop towels
15. Pressure Roller
16. Electrical tape
17. Manus sealant (185987-03-02A or equivalent)
18. Caulk gun

**Reference Page 3 for Parts Kit Items.**

# Part(s) required

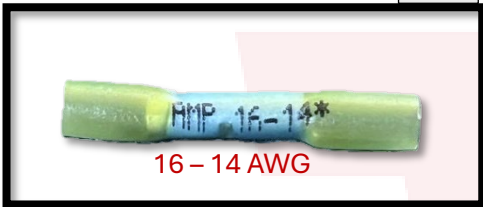
1.



2.



3.



4.



5.



6.



7.



8.



9.



10.



11.



# Steps & Procedures

Before performing the repair, ensure the **Black and Gray Tanks** have a **Surface Temperature of 55 degrees Fahrenheit or warmer** to ensure appropriate adhesion of the **New tank Heating pads**.

## Step 1 – Prep For Rework.

- A. Turn off the coach battery, verify no power to 12V or 110V systems.
- B. Use dump valves to drain black and gray tanks into a sanitary sewer.

**BU259K  
ON REAR DRIVERS SIDE UNDER BUMPER**

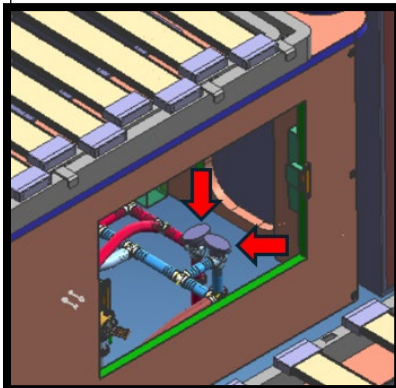


**BU259G  
ON REAR DRIVERS SIDE QUARTER**

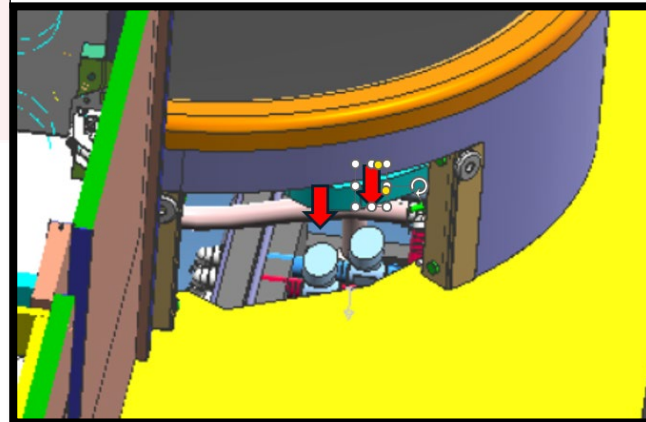


- C. Use freshwater line drains to drain fresh water from the system.

**BU259K  
BEHIND ACCESS PANEL  
OF DRIVERS SIDE BED  
CABINENT**



**BU259G  
BEHIND ACCESS PANEL BELOW SHOWER  
PAN**



## Step 2 - Lift the Vehicle

- A. Ensure the vehicle's ignition is OFF before lifting the vehicle.
- B. Use 4 lifts or hoists to lift the vehicle and ensure they are safely set to hold the vehicle while the rework is done.
- C. Ensure the hoists do not damage the windows of the sidewalls while the vehicle is being lifted.

**Note:** Verify the lift is working properly and your working area is safe to work in.

## Step 3 – Drain residual water from freshwater tank.

- A. Using adjustable wrench, remove drain bung cap from freshwater tank to drain residual water from the tank into bucket and dispose.
- B. Using adjustable wrench, re-install bung cap and tighten. TM



#### Step 4 – Disconnect gray and black heater pad wiring.

- A. Cut off zip tie(s) securing the chassis loom near the heating pad with scissors. (As required)



- B. Using scissors, cut electrical tape at end of heater wire convoluted tubing near pad with scissors.



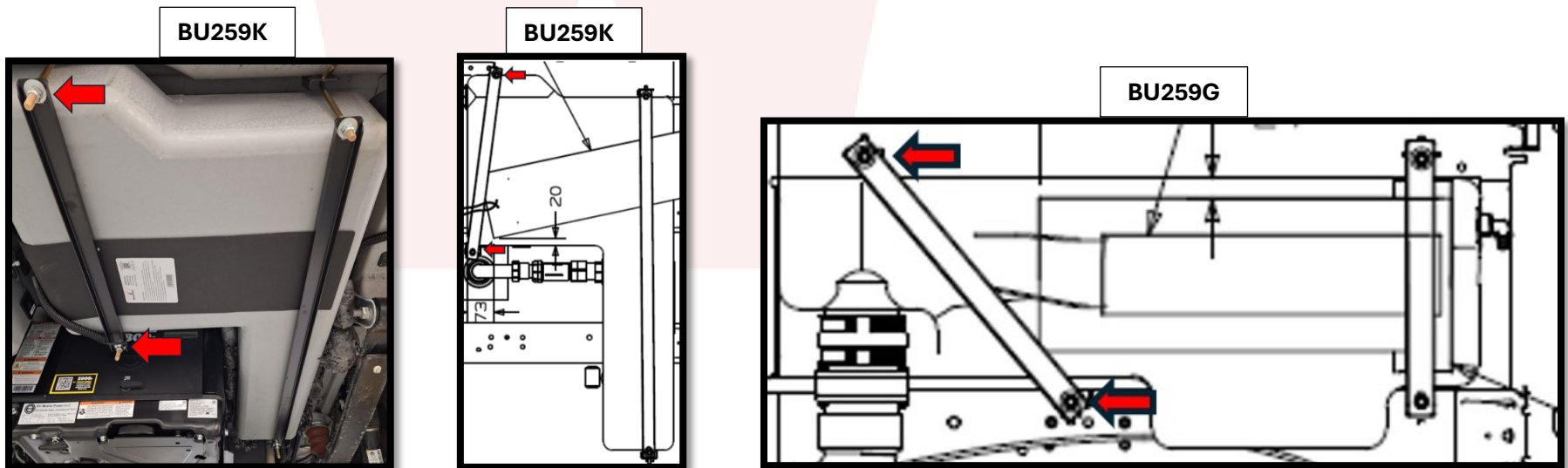
- C. Pull wires from tubing until butt connectors are exposed, then cut yellow and white harness wires on coach side of butt connectors.



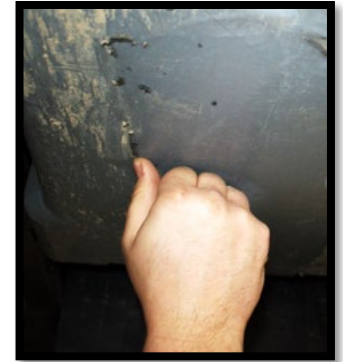
### Step 6 - Gray tank heater pad removal and re-installation.

- A. Using 9/16" socket, remove 3/8" nylon loc nuts and washers from hanger bracket noted below. Remove bracket and set aside for re-assembly. (discard nuts and washers)

**ONLY HAVE ONE STRAP REMOVED AT A TIME SO TANK DOES NOT FALL AND CAUSE POSSIBLE DAMAGE TO PLUMBING CONNECTIONS.**

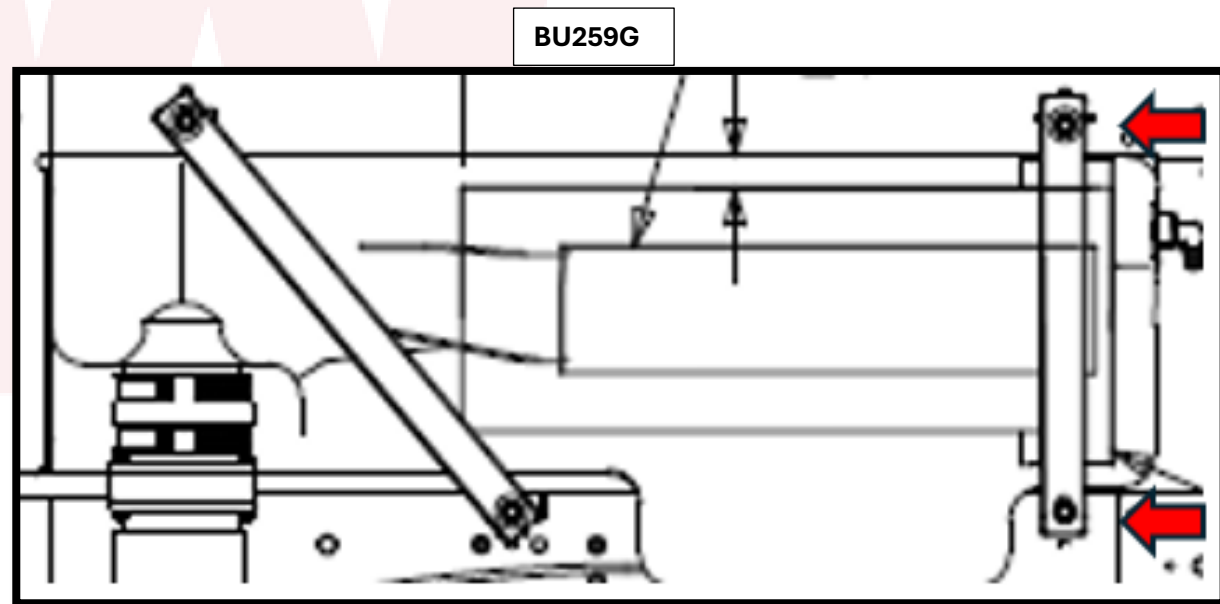
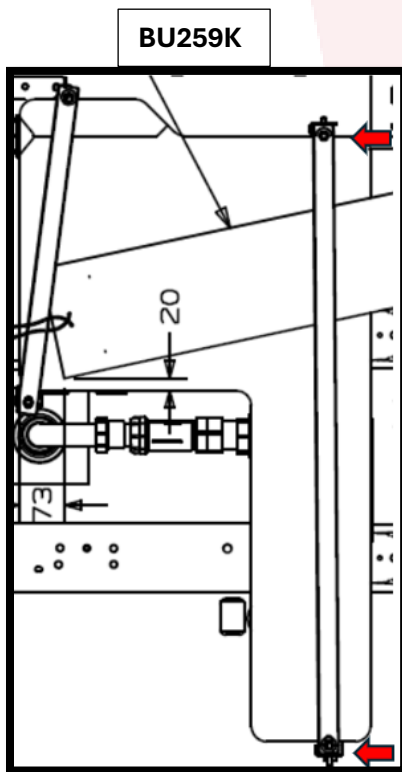


- B. Peel and scrape heater pad off from area under inboard bracket.
- C. Using your bare hand, apply pressure and roll off any adhesive still on the tank near the inboard bracket.



**DO NOT USE ANY TOOL TO REMOVE RESIDUE THAT CAN POTENTIALLY DAMAGE THE INTEGRITY OF THE TANK.**

- D. Reinstall bracket removed in previous step with new washers and 3/8" nylon loc nuts and snug nuts with 9/16" socket.
- E. Using 9/16" socket, remove 3/8" nylon loc nuts and washers from hanger bracket noted below. Remove bracket and set aside for re-assembly. (discard nuts and washers)



- F. Repeat steps 6.B. & C to remove the remainder of the heating pad from the tank.
- G. Clean area where pad was removed with isopropyl alcohol and clean shop towel. Allow to dry for 1-2 minutes until completely dry.

**DO NOT USE ANY OTHER TYPE SOLVENT OTHER THAN ISOPROPYL ALCOHOL FOR FINAL CLEANING OF SURFACE**

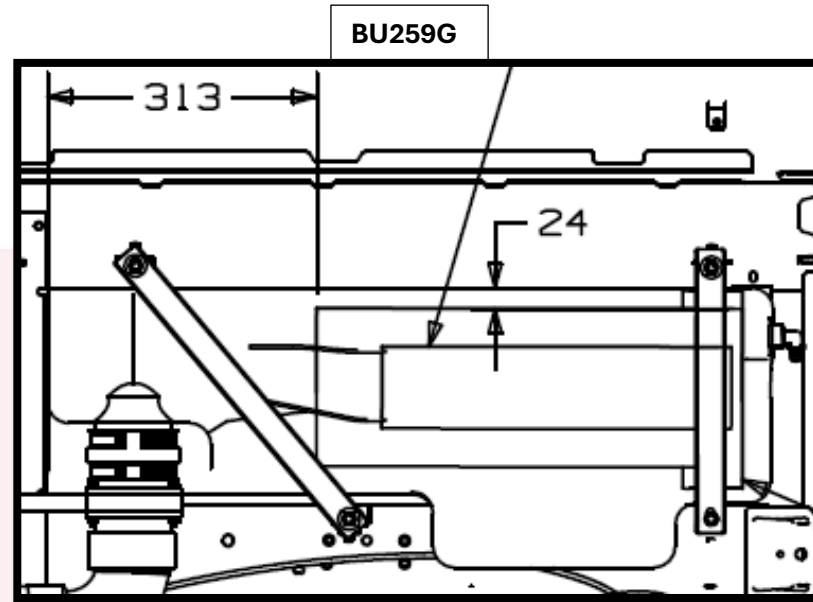
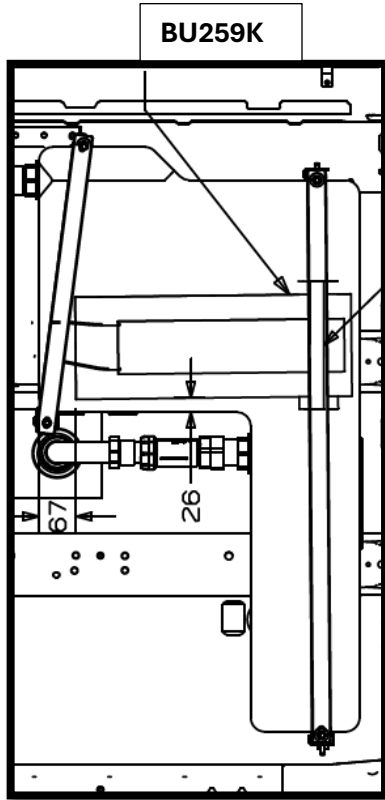


- H. Use a thermo-gun to measure the temperature of the tank surface and ensure the temperature exceeds 55°F (12.8°C) or warmer.



**NOTE:** If the tanks do not exceed this temperature, use a heat lamp or heat gun to ensure the tank is above this temperature. Failure to adhere the heating pads at an appropriate tank surface temperature may cause the adhesive to fail.

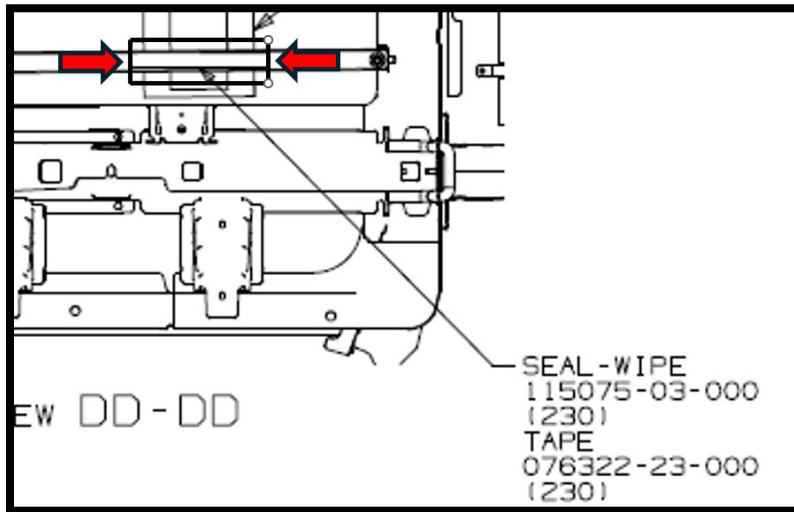
- I. Per dimensions noted below (mm), start adhering the new pad at the wire connection side near inboard bracket and then follow through and adhere the rest of the heating pad appropriately, removing the paper side of the adhesive with one hand as you apply the pad with pressure with your other hand.



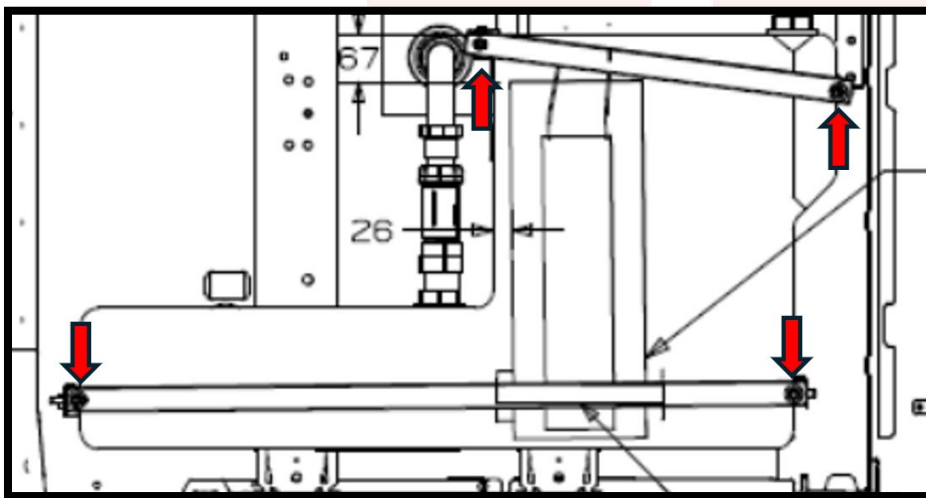
- J. Once the entire heating pad is applied to the tank, use a pressure roller and apply pressure to the adhered surfaces of the pad on the tank.



- K. Use scissors to cut a 9-inch strip of VHB Tape (076322-23-000) and Seal-Wipe (115075-03-000). Install the VHB tape on the wipe seal.
- L. On the tank bracket set aside earlier on step E., clean foam and debris off the surface of the outboard tank bracket set aside earlier. Remove the VHB tape backing and install the seal-wipe to the area the bracket will contact over the heating pad. **(BU259K shown)**

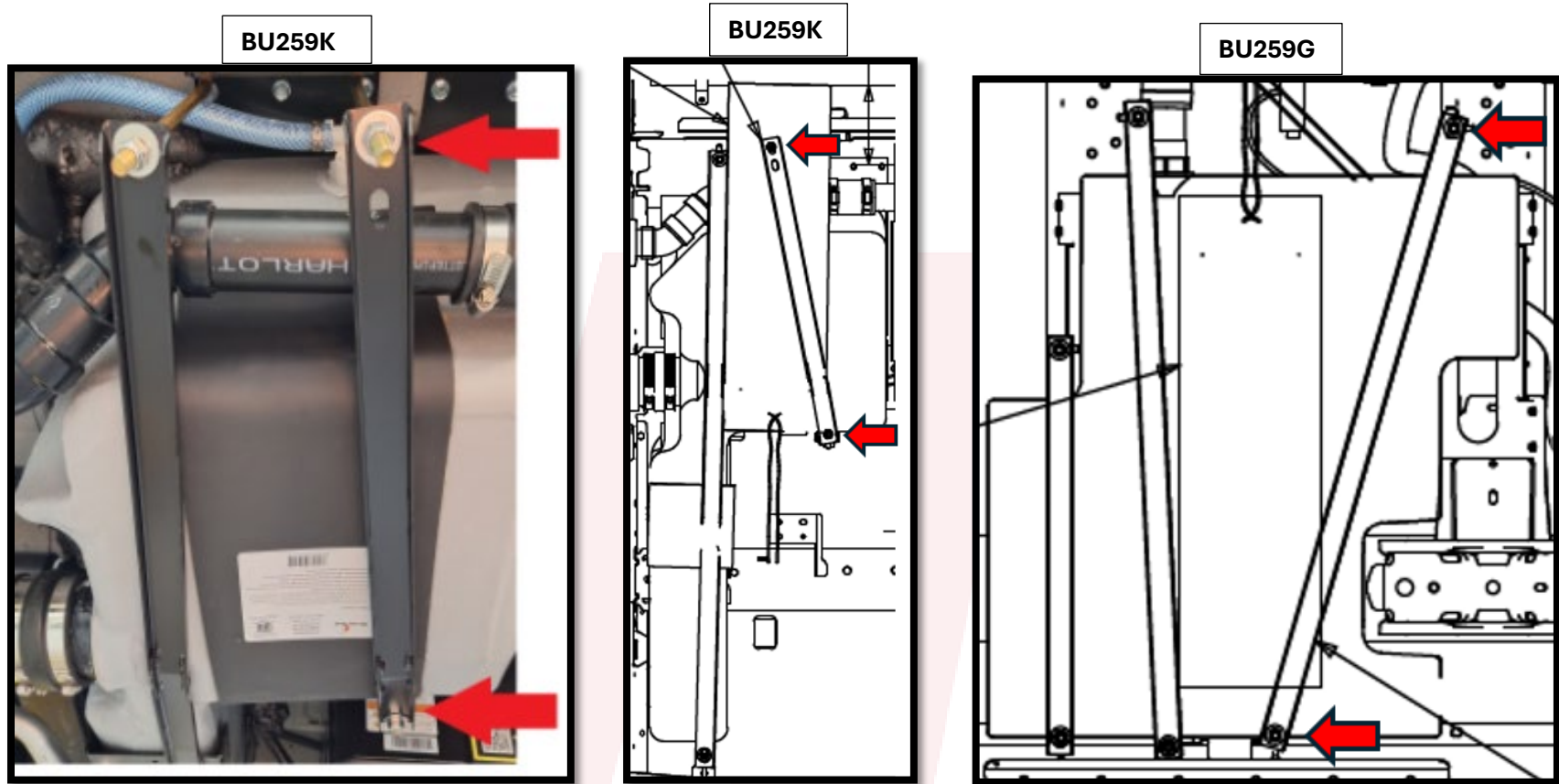


- M. Using 9/16" socket, reinstall hanger bolts and u-channel using new washers and 3/8" nylon loc nuts. Tighten all four nylon loc nuts evenly until the tank is secure and brackets compress tank slightly. Ensure brackets are tight and do not move. **(BU259K shown)**



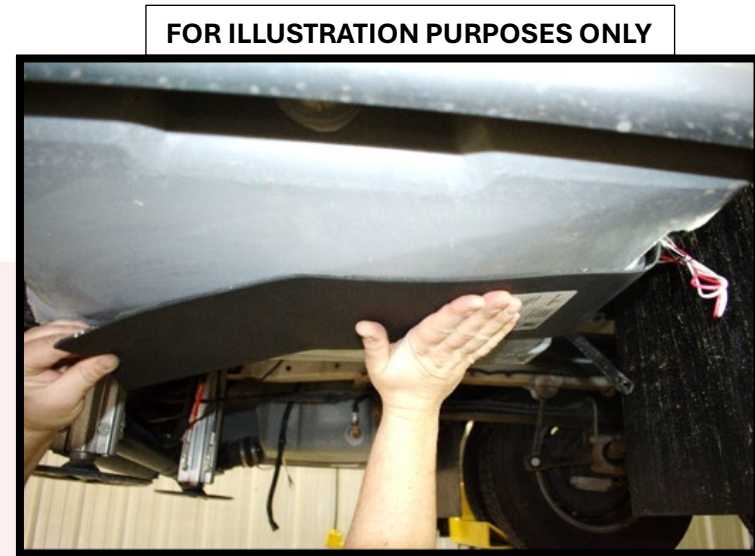
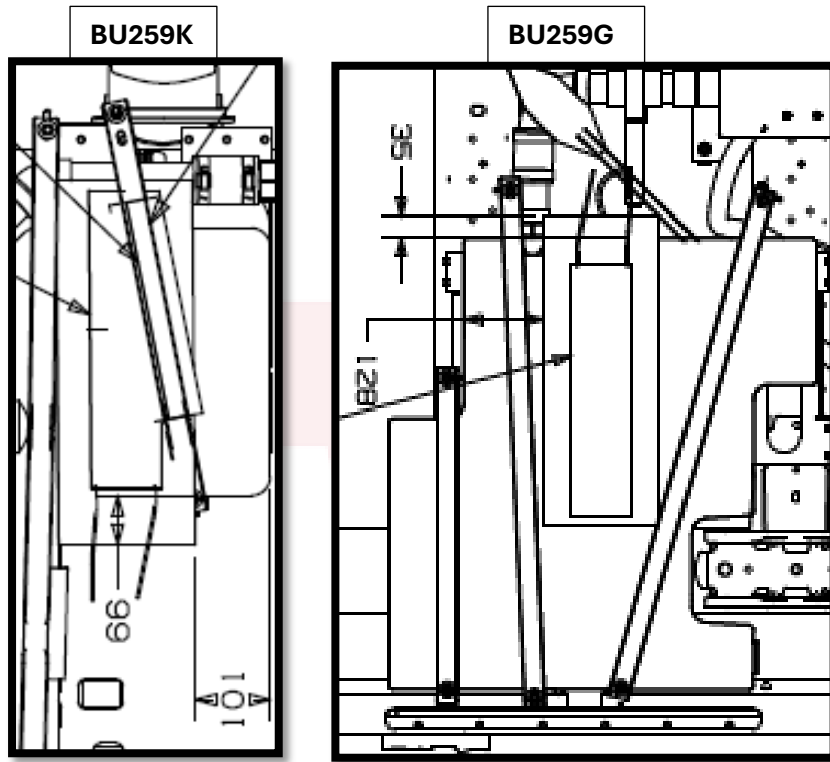
## Step 7 - Black tank heater pad removal and re-installation.

- A. Using 9/16" socket, remove 3/8" nylon loc nuts and washers from hanger bracket noted below. (discard nuts and washers)



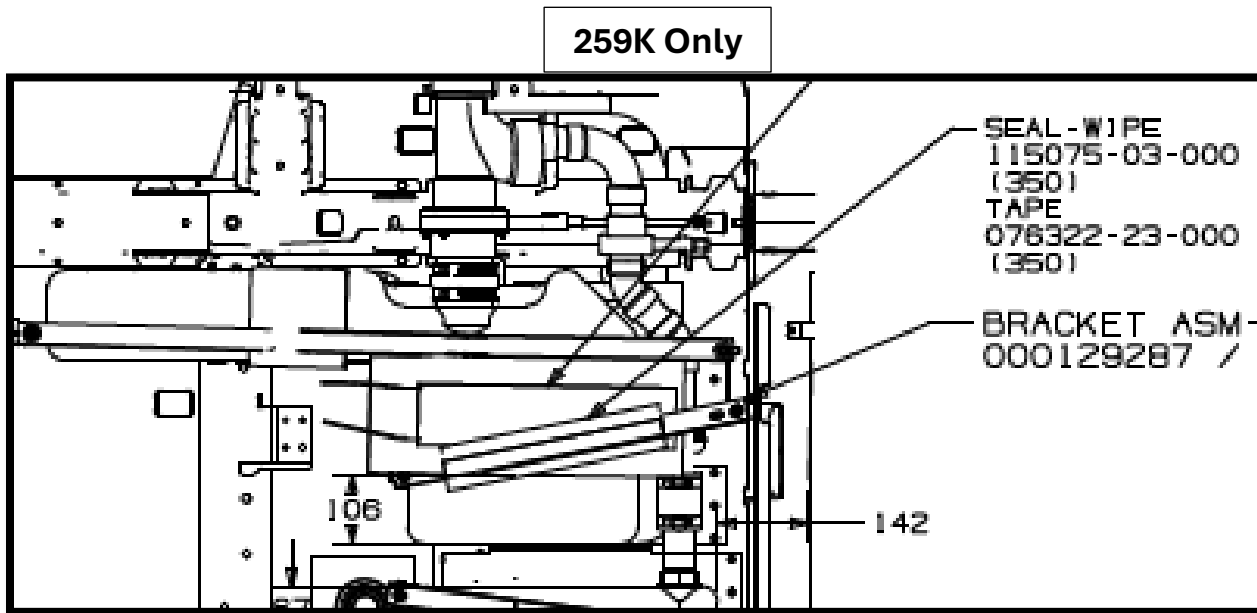
- B. Peel and scrape heater pad from tank.  
C. Using your bare hand, apply pressure and roll off any adhesive still on the tank. (See illustration on step 6.C.)  
D. Clean area where pads were removed with isopropyl alcohol and clean shop towel. Allow to dry for 1-2 minutes until completely dry. (See illustration on step 6.G.) **DO NOT USE ANY OTHER TYPE SOLVENT OTHER THAN ISOPROPYL ALCOHOL FOR FINAL CLEANING OF SURFACE**  
E. Use a thermo-gun to measure the temperature of the tank surface and ensure the temperature exceeds 55°F (12.8°C) or warmer. (See illustration on step 6.H.)

- F. Per dimensions noted below, start adhering the new pad at the wire connection side and then follow through and adhere the rest of the heating pad appropriately, removing the paper side of the adhesive with one hand as you apply the pad with pressure with your other hand.



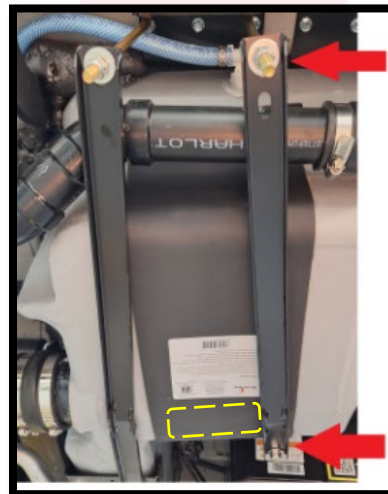
- G. Use a pressure roller and apply pressure to the adhered surfaces of the pad on the tank. (See illustration on step 6.J.)
- H. Use a pair of scissors to cut a 14-inch strip of VHB Tape (076322-23-000) and Seal-Wipe (115075-03-000). Install the VHB tape on the wipe seal.

- I. On the tank bracket set aside earlier on step A., clean any foam and debris off the surface of the strap and remove the VHB tape backing and install the wipe seal in the area of bracket that sets over the heating pad. **(259K ONLY)**



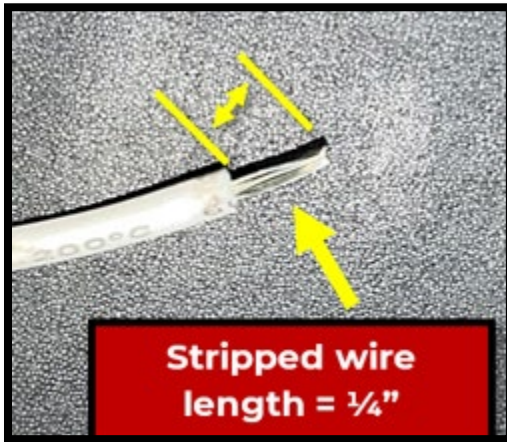
- J. Reinstall hanger bolts and u-channel using new washers and 3/8" nylon loc nuts and 9/16" socket. Tighten nuts evenly until the tank is secure and bracket compress tank slightly. Ensure all four tank brackets are tight and do not move.

**Note:** Verify the tank strap does not go over the built-in sensor on the heat pad before tightening tank strap nuts.

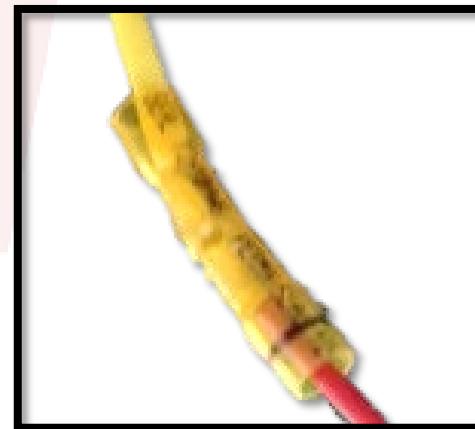


## Step 8 - Make the Wire Connections to coach harness and Secure the Chassis Wire Loom.

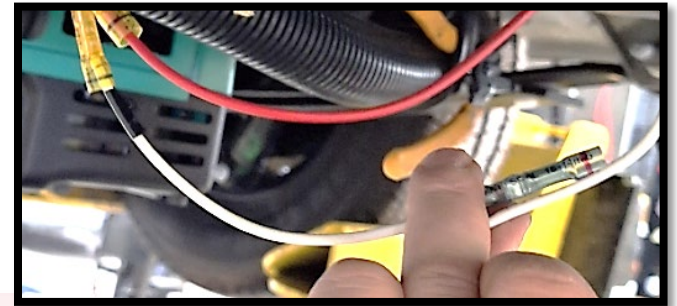
- A. With wire cutter, cut off excess red and white heating pad wires. **ENSURE THERE WILL BE ENOUGH WIRE TO MAKE CONNECTION TO THE WIRE HARNESS AND NOT STRESS CONNECTIONS WHEN RE-SECURED.**
- B. Using wire strippers, strip ends of red and white heater pad wires and yellow and white harness wires about ¼”.



- C. Install and crimp new butt splice connector and pigtail assembly to white and yellow harness wires. Use 1 butt connector (Positive) and one pigtail assembly (Negative) for each connection.
- D. **Black and Gray tank (positive):** Crimp red heating pad wire to yellow chassis loom wire using (12-10 / 16-14 AWG) 360568-01-000 butt splice. (16-14 AWG end to red heating pad wire)



E. **Black and gray tank (negative):** Connect white heating pad wire to the white chassis loom wire using pigtail assembly 365011-01-000. Crimp 18 AWG end to white heater pad wire and 10 AWG end to white harness wire. Cut heater pad wire to size as required so both wire assemblies are equal length.



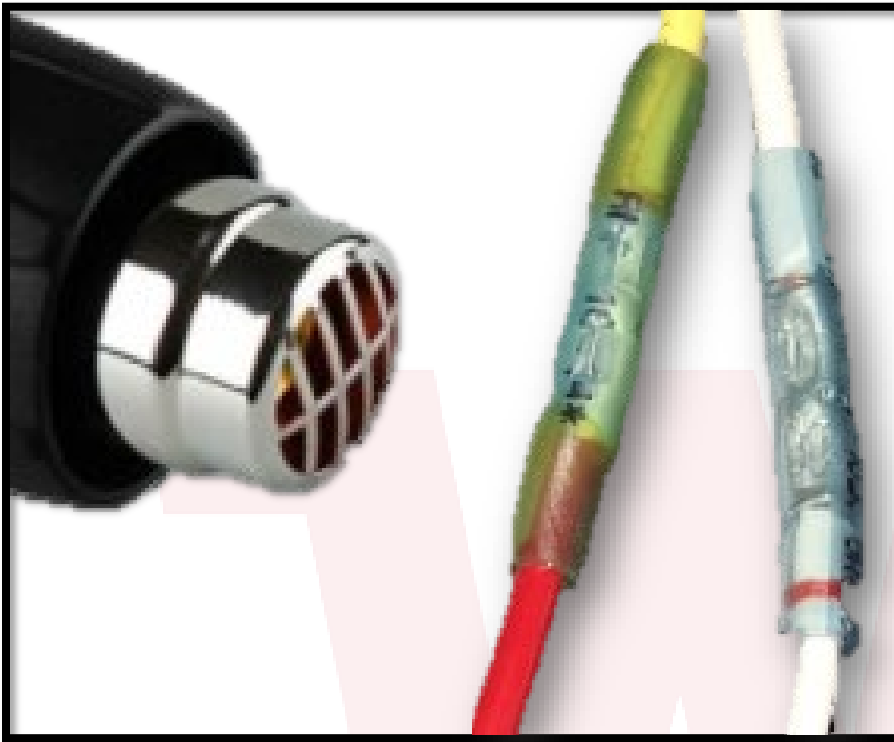
F. **Freshwater tank (positive):** Crimp red heating pad wire to yellow chassis loom wire using (16-14AWG) 326467-01-000 butt splice.



G. **Freshwater tank (negative):** Crimp white heating pad wire to white chassis loom wire using (16-14 / 22-18AWG) 326905-01-000 butt slice reducer. (22-18 AWG Red Stripe end to White heating pad wire)



H. Using heat gun, shrink all butt connections that were made. Apply heat while rotating connectors until connector is sealed around wires.

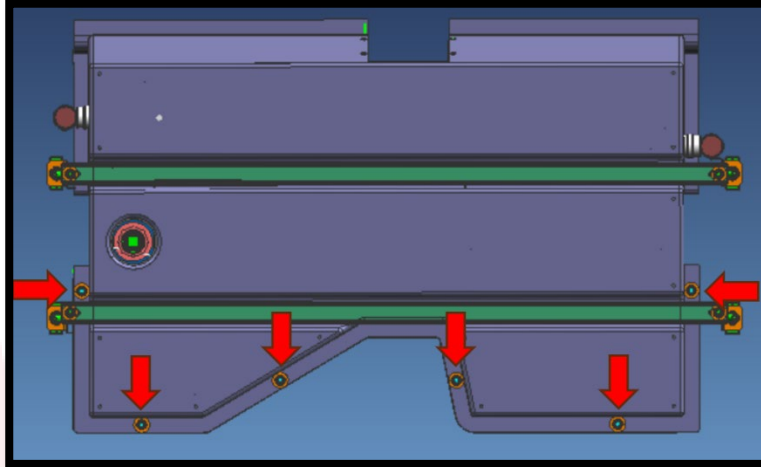


- I. Route wires back into convoluted tubing where applicable. Adding additional conduit if required. Tape connections of tubing and re-tape end of tubes securing wires with electrical tape.
- J. Use wire tie(s) to secure the chassis wire loom tubing the same way it was when old wire tie(s) were removed.



## Step 9 – Fresh water tank heater pad removal and re-installation.

- A. Using 9/16" socket, remove six 3/8" nylon lock nuts and washers from compartment lower cover. (discard nuts and washers)



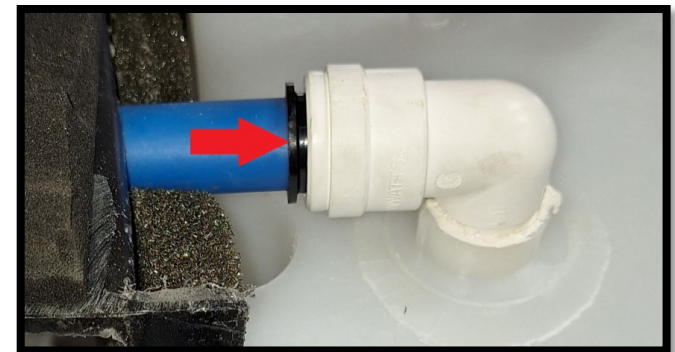
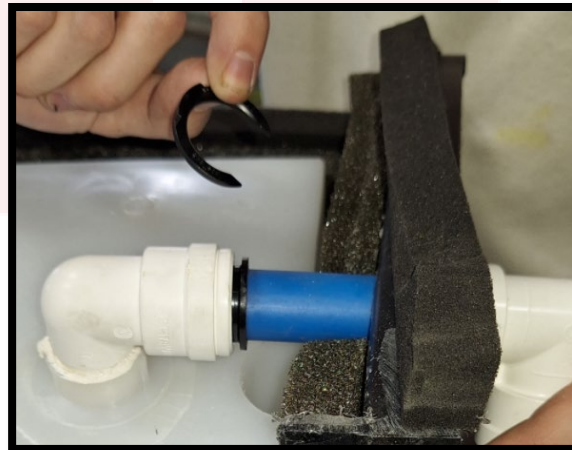
- B. Using 9/16" socket, remove four 3/8" nylon lock nuts and washers from u-channel hanger bolts. (discard nuts and washers) Set aside u- channel and hanger bolts for reinstallation.



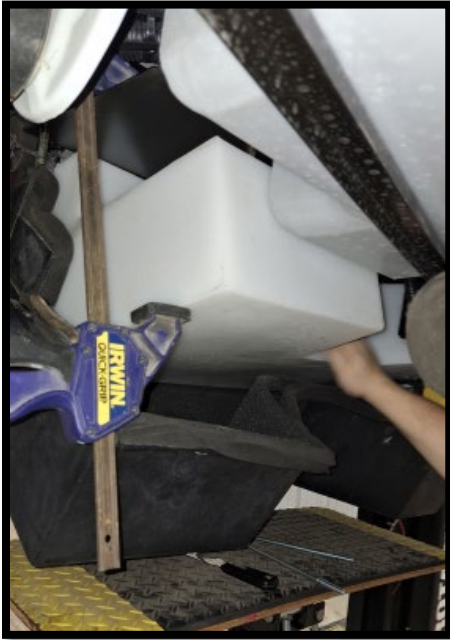
- C. Separate compartment and tank from top cover pulling down to access freshwater tank. Support tank and lower compartment housing with suitable jack.



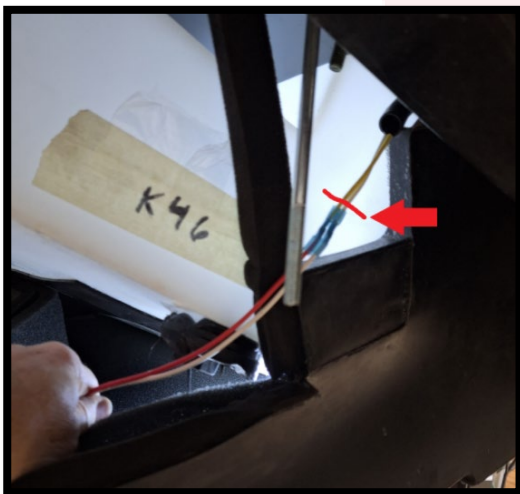
- D. With pick or flat blade screwdriver, remove retainer clips from two overflow elbows on each side of tank and set them aside for re-assembly later. Push shark bite inserts in, twist and pull overflow tubes out from the elbow through the holes in the lower tank compartment and set them aside for re-assembly later.



E. Use one of the compartment j-hook hangers or similar hook tool down between tank and compartment to pull tank up out of compartment exposing heating pad. Clamp the tank up to compartment cover on both sides using bar clamps.



F. Follow wires from heating pad to butt connectors connected to coach harness. Cut yellow and white harness wires on coach side of heating pad butt connectors.

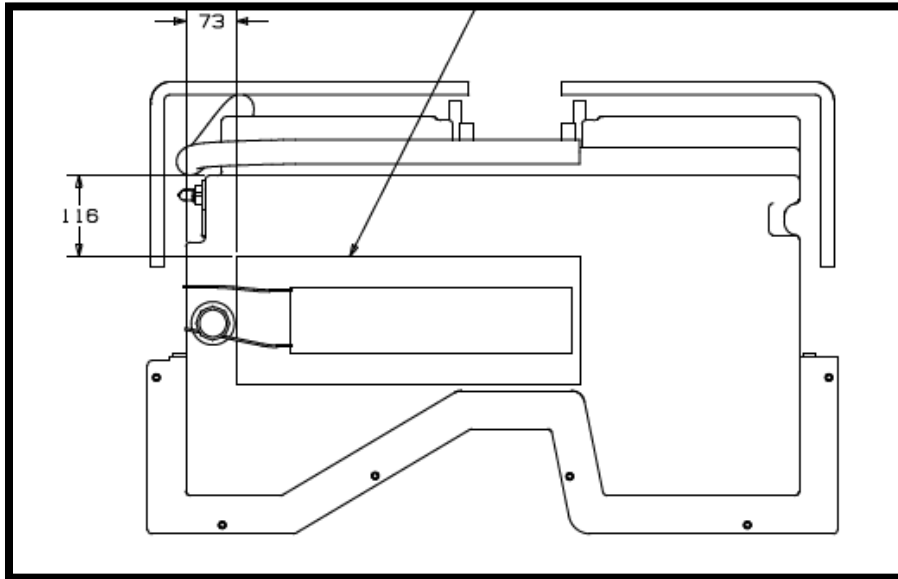


G. Using a plastic hand chisel scrape and peel old heating pad from tank.

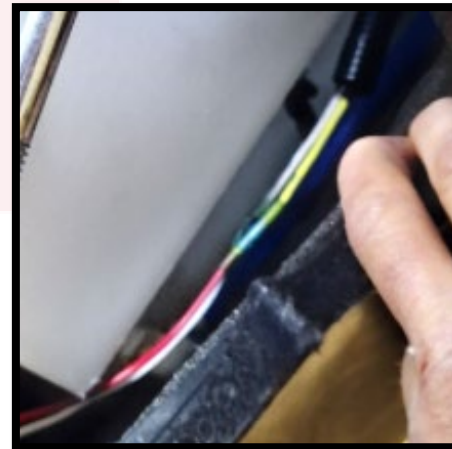
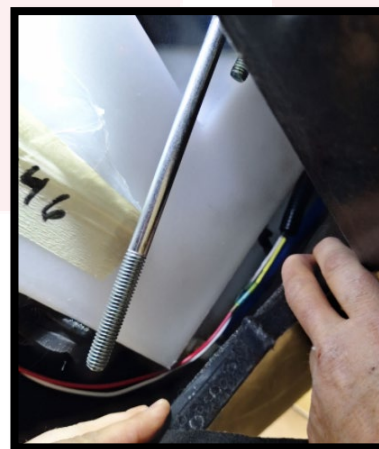


- H. Using your bare hand, apply pressure to roll off any adhesive still on the tank. (See illustration on step 6.C.)
- I. Clean area where the pad was removed with isopropyl alcohol and clean shop towel. Allow to dry for 1-2 minutes until completely dry. (see illustration on step 6.G.) **DO NOT USE ANY OTHER TYPE SOLVENT OTHER THAN ISOPROPYL ALCOHOL FOR FINAL CLEANING OF SURFACE**
- J. Use a thermo-gun to measure the temperature of the tank surface and ensure the temperature exceeds 55°F (12.8°C) or warmer. (see illustration on step 6.H.)

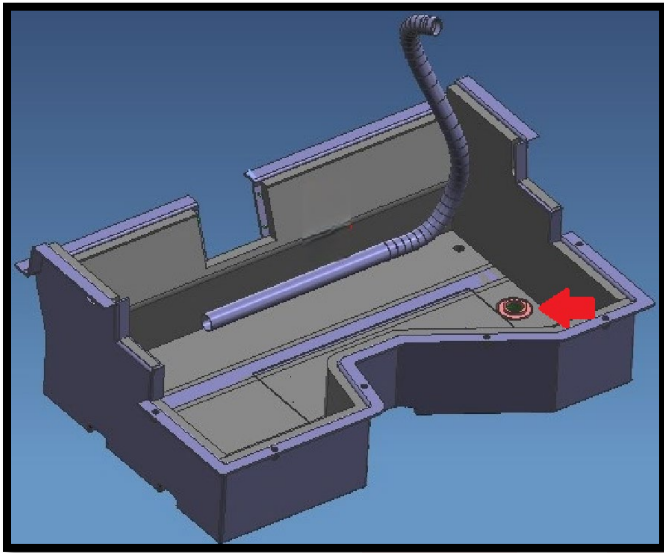
K. Per dimensions noted below, start adhering the new pad at the wire connection side and then follow through and adhere the rest of the heating pad appropriately, removing the paper side of the adhesive with one hand as you apply the pad with pressure with your other hand.



- L. Once entire heating pad is applied to the tank, use a pressure roller and apply pressure to the adhered surfaces of the pad on the tank. (See illustration on step 6.J.)
- M. Make the wire connections to coach harness. (See step 8.) Route wiring in void area of tank along with sensor wires.



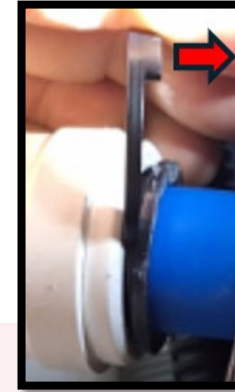
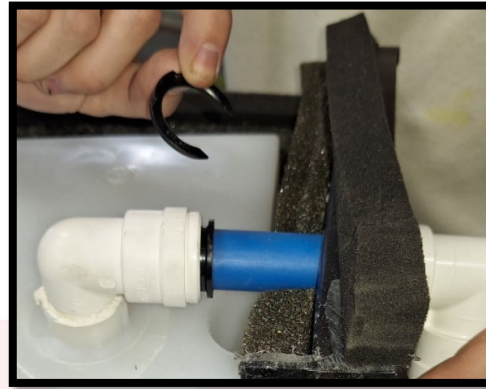
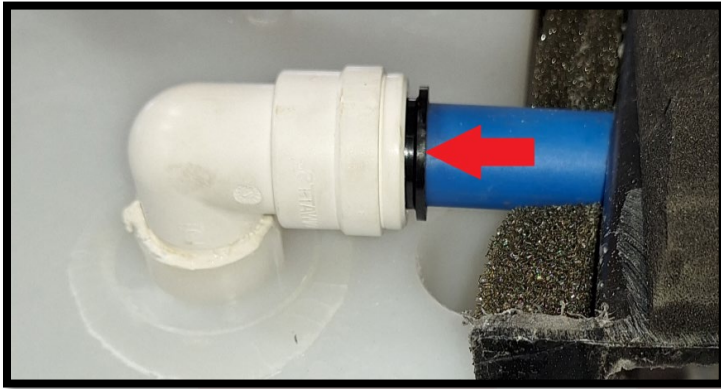
- N. Apply sealant around drain bung as required to seal compartment, ensuring to leave the duct behind the tank so that it does not get damaged, then re-install tank into the compartment with heater duct in place.



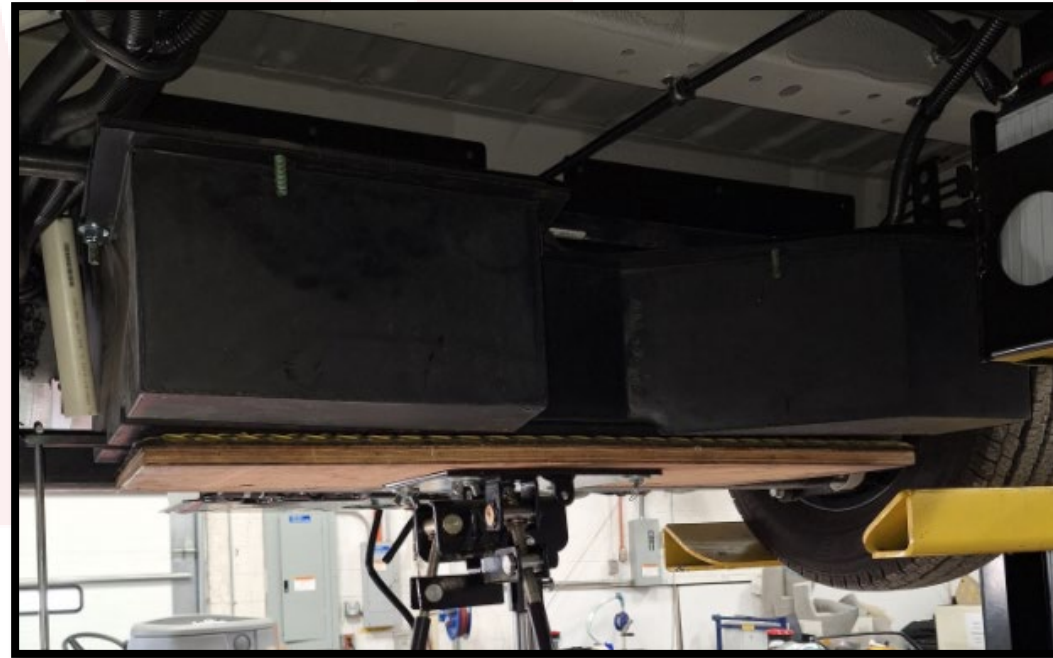
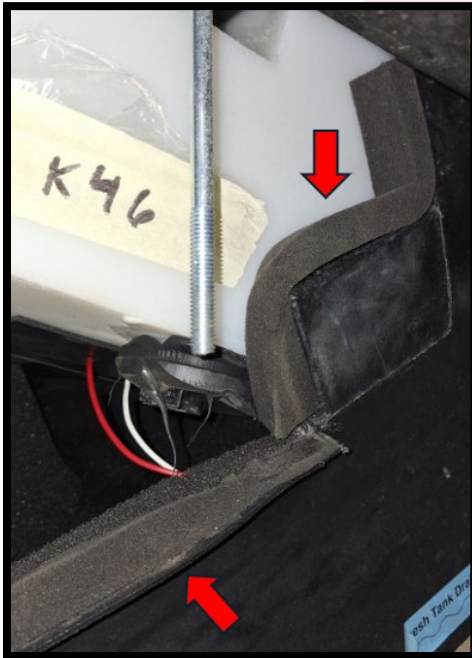
- O. Remove bar clamps and slide tank back into compartment. Verify insulation around the tank is in place and any insulation that may have been removed is replaced.



P. Re-install overflow tubes set aside earlier through the holes in the lower tank compartment. Push shark bite inserts in and push overflow tubes that were retained earlier fully into the elbows. Reinstall retainer clips behind inserts on elbows to lock inserts with tab facing toward tubing.



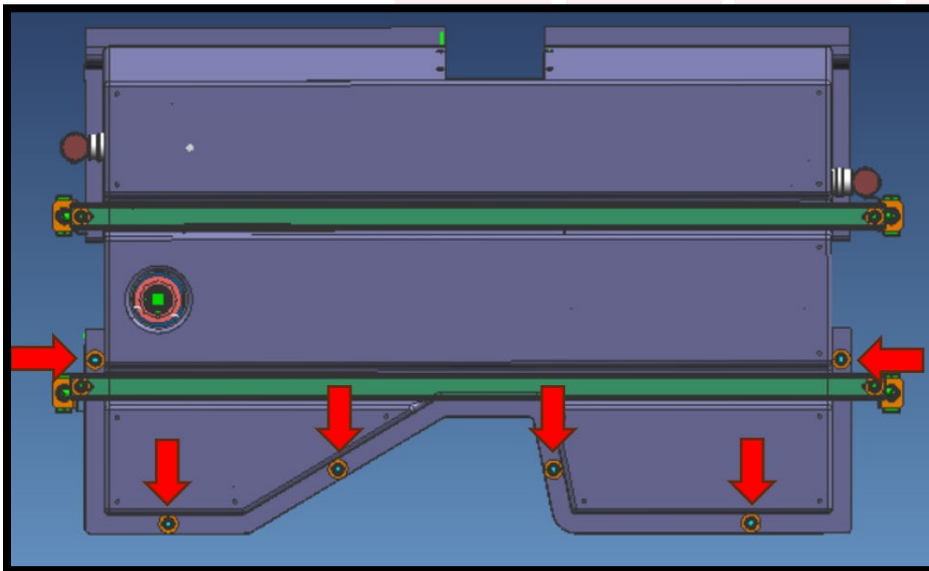
Q. Ensure foam seal around the perimeter of the compartment is in place, then use jack to raise compartment back into place over studs and against top cover.



R. Reinstall hanger bolts and u-channel using new washers and 3/8" nylon loc nuts. Tighten nuts evenly using 9/16" socket until the tank is secure and brackets compress tank slightly. Ensure brackets are tight and do not move.



S. Install six new washers and 3/8" nylon loc nuts to studs on compartment cover tighten with 9/16" socket and ensure a torque of **6 Nm +/- 0.6 Nm**.



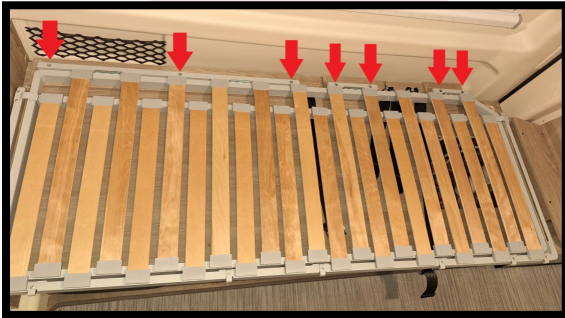
**Step 10 – Lower vehicle from the lift.**

**Step 11 – Verify freshwater tank connections. (259K) Go to step 12 for 259G**

A. Remove drivers side bed cushion and set aside for re-installation.



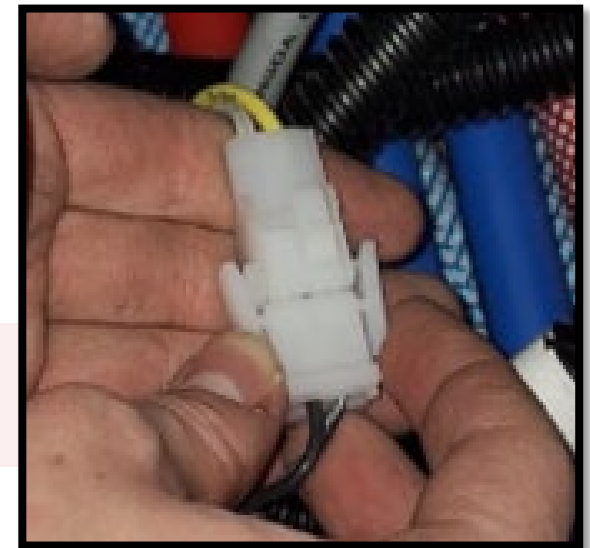
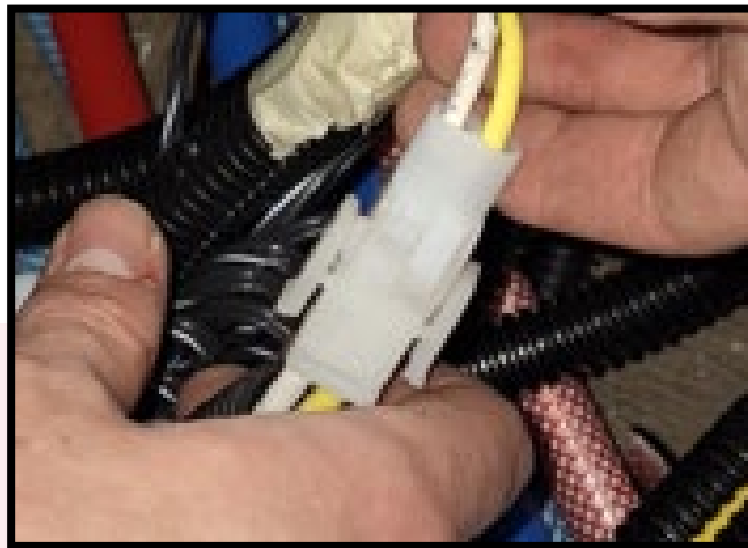
B. Remove seven Phillips screws and set aside for re-installation. Remove bed frame and set aside re-installation.



C. Remove six Philips screws and set aside for re-installation. Remove bed panel assembly and set aside for re-installation.



D. Under drivers' side bed cabinet, check to ensure that the tank heater duct is not pulled out of the ducting "Y" and that the heating pad and tank sensor wires are still connected and not pulled loose or damaged. They should be the only 2 pin connections in this area routing through the floor.



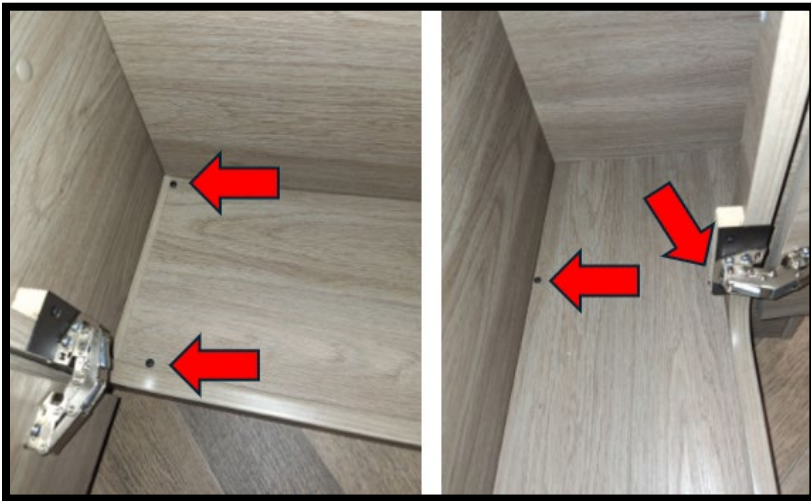
E. Re-install bed panel assembly, bed frame and bed cushion removed in previous steps 10.A-C.

### Step 12 – Verify freshwater tank connections. (259G ONLY)

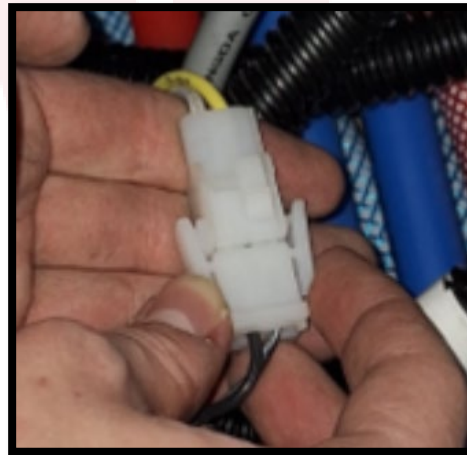
A. Open the storage compartment located on the side of the bed cabinet on the driver's side.



B. Remove four Phillips screws from bottom panel and set aside for re-installation. Remove panel and set it aside for re-installation.



C. Check to ensure that the tank heater duct is not pulled out of the ducting “Y” and that the tank sensor wires are still connected and not pulled loose or damaged. There should be only two 2 pin connections in this area. One is the old heating pad connection, and one is the tank sensor connection shown below.



D. Re-install the panel removed on step 12.B.

The Rework is Now Complete!



## Travato Tank Heating Pads (Kit #3)

Classification		Parts Kit Required		
Recall # 201	Part #	RC796026701	Description	HEATING PAD REPLACEMENT 200 KIT#3
Labor Operation #	24002601			

**Condition**  
 Certain vehicles with ThermaHeat Heating Pads may exhibit high terminal resistance, posing a potential failure and fire risk which could result in injury or property damage.

**Correction**  
 Remove and replace existing tank heater pads (330035-01-000) (qty 3) with new tank heater pads (364953-01-000) (qty 3). One tank heater pad is located on the gray waste tank, one tank heater pad is located on the black waste tank, and one tank heater pad is located on the freshwater tank.

WGO Model Year	Revision	Make	Model	Model Code(s) (Floorplan)	WGO Built/Manufacturing Dates Impacted
2024	1	Winnebago	Travato	BU259KL	12/1/2023 – 10/14//2025
2025	1, 2				
2026	1				

Disclaimer: Read the entire instructions carefully before starting the procedure. If you have any questions, please contact the Winnebago Industries Technical Service Department by calling 1-866-653-4329 or by email: [techservice@wgo.net](mailto:techservice@wgo.net). This document is confidential and is intended for dealer use only.

## Part/s Required – Kit Description

### Kit Contains:

1. Wire Asm-heater tank rework (365057-01-000) (1)
2. Grommet 1.75" ID (023942-01-000) (1)
3. Heating Pad (364953-01-000) (3)
4. Conduit-convoluted (041935-09-000) (48 Inches) (As required)
5. Wire tie-15" (008343-04-000) (7)
6. Nut-Hex w/nylon loc 3/8-16 (000D29-06-00B) (16)
7. Washer 3/8" (000E13-18-00B) (16)
8. VHB TAPE, DBL COATED (076322-23-000) (48 Inches) (1 x 14" & 1 x 9")
9. SEAL-WIPE (115075-03-000) (48 Inches) (1 x 14" & 1 x 9")
10. Connector-closed end (058028-01-000) (6)

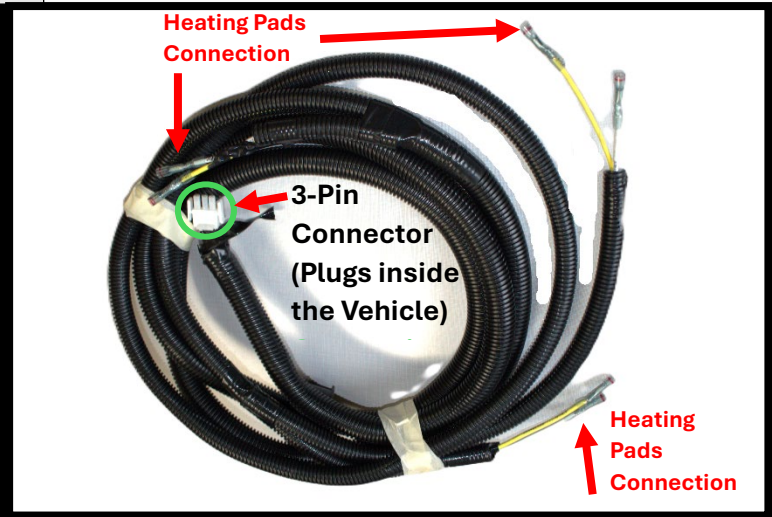
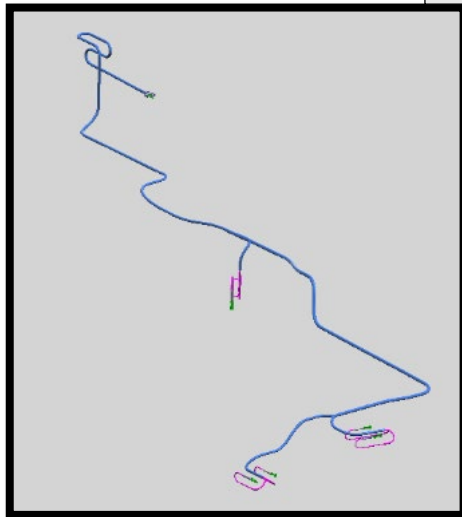
## Shop Supplies

1. Drill/screw gun.
2. 9/16" Deep well socket
3. Torque wrench
4. Adjustable wrench
5. #2 Phillips Drill Bit
6. Scissors
7. Plastic scraper
8. Pick or small flat blade screwdriver
9. Two bar or similar clamps
10. Wire Cutters/stripper
11. Wire crimper
12. Thermo gun
13. Heat gun
14. Isopropyl Alcohol
15. Shop towels
16. Pressure Roller
17. Electrical tape
18. Manus Sealant
19. Caulk gun
20. ¼" drill bit
21. 1" Drill or step bit
22. 2" hole saw

**Reference Page 3 for Parts Kit Items.**

# Part(s) required

1.



2.



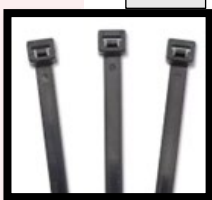
3.



4.



5.



6.



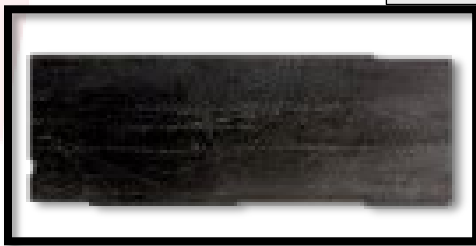
7.



8.



9.



10.



# Steps & Procedures

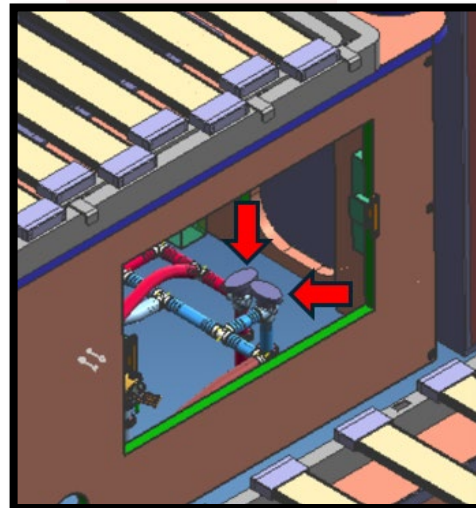
Before performing the repair, ensure the **Black, Gray, and Fresh Water Tanks** have a **Surface Temperature of 55 degrees Fahrenheit or warmer** to ensure appropriate **adhesion of the New tank Heating pads.**

## Step 1 – Prep For Rework.

- A. Turn off the coach battery, verify no power to 12V or 110V systems.
- B. Use dump valves located on rear drivers' side to drain black and gray tanks into a sanitary sewer.



- C. Use freshwater line drains located behind the access panel on the side of drivers' side bed cabinet to drain fresh water from the system.



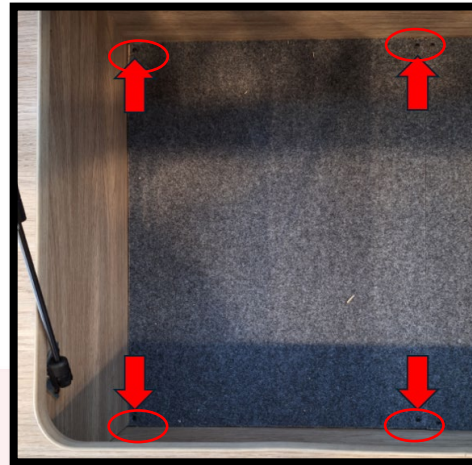
D. Remove passenger side bed cushion from top of cabinet.



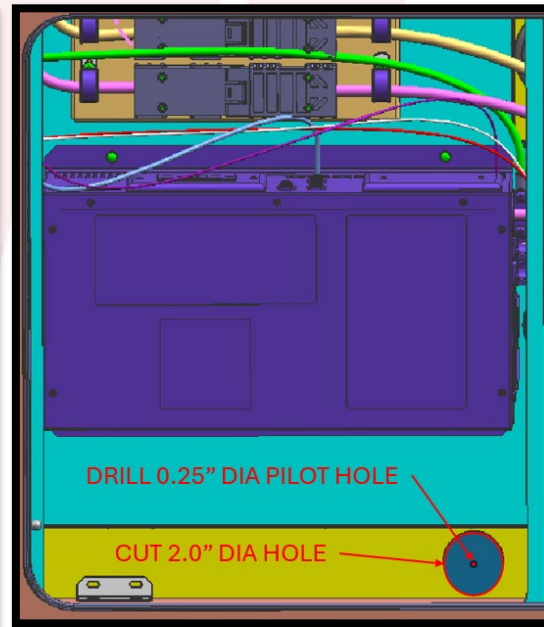
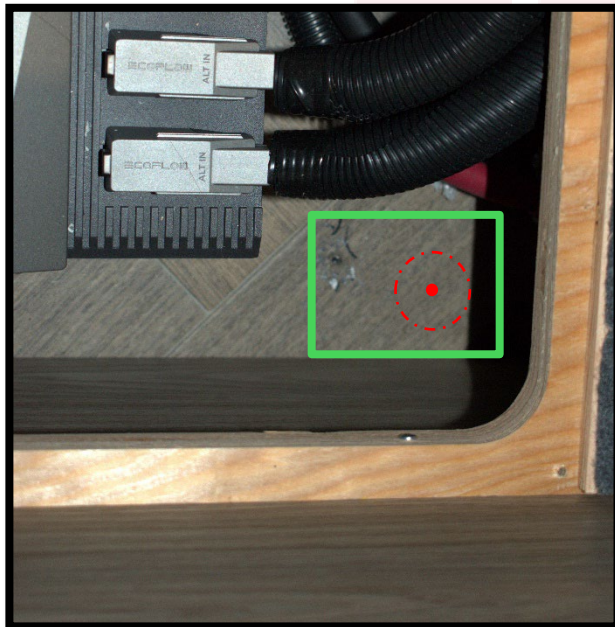
E. Lift passenger side bed frame to expose access panels.



- F. Using Philips screwdriver, using a #2 Philips bit and a drill, remove 4 screws holding the access panel towards the front of the coach. Remove and set aside the panel for re-installation later.



- G. Drill a .25" dia. pilot hole in the approximate location shown, making sure there is enough room in the area to cut a 2.0" dia. hole and not damage any wiring or components in the compartment. Check under the coach to ensure there is nothing that will be damaged when cutting the 2" hole. Relocate if required, then cut the 2.0" hole through the floor.



H. Install grommet 1.75" ID (023942-01-000) into hole cut into floor in previous step. The Harness will be routed to this hole and grommet in Step 4.



## Step 2 - Lift the Vehicle

- A. Ensure the vehicle's ignition is OFF before lifting the vehicle.
- B. Use 4 post lift or hoists to lift the vehicle and ensure they are safely set to hold the vehicle while the rework is done.
- C. Ensure the hoists do not damage the windows of the sidewalls while the vehicle is being lifted.

**Note:** Verify the lift is working properly and your working area is safe to work in.

## Step 3 – Drain residual water from freshwater tank.

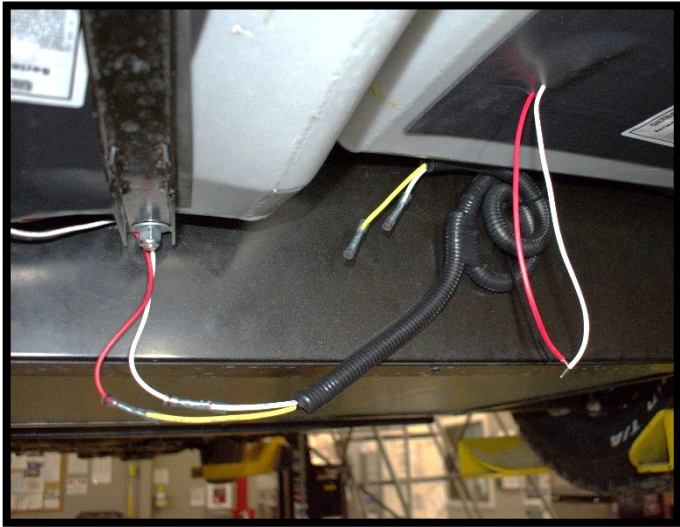
- A. Using adjustable wrench, remove drain bung cap from freshwater tank to drain residual water from the tank into bucket and dispose.
- B. Using adjustable wrench, re-install bung cap and tighten.



**Step 4 – Install new re-work Asm-heater tank (365057-01-000) harness to chassis.**

- A. Make initial heating pad connections to the Asm-harness aligning the connections for gray and black water tanks, freshwater tank, and then route to the hole drilled in the floor previously. Tie up wires and push excess wire up into coach.
- B. Use Zipties to ensure the harness is secured.

**Black And Gray Tank Connections are at the End of the Asm-Harness**



**Freshwater Tank Connection is at Mid-Point of the New Asm-Harness**



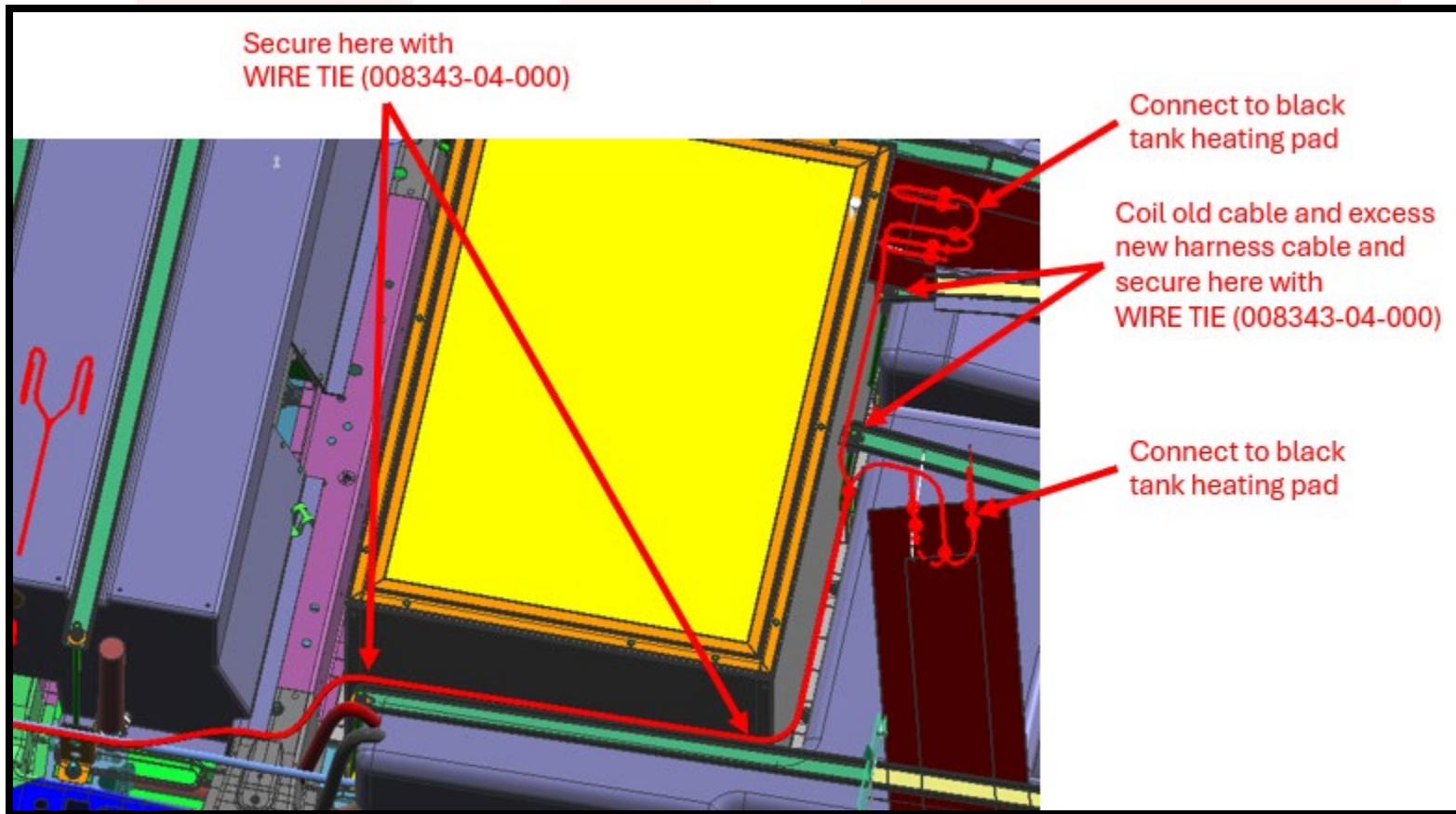
**3 Pin Connector to Coach Harness Under Passenger's Side Bed**



C. Use sealant to seal around harness and grommet through the floor.

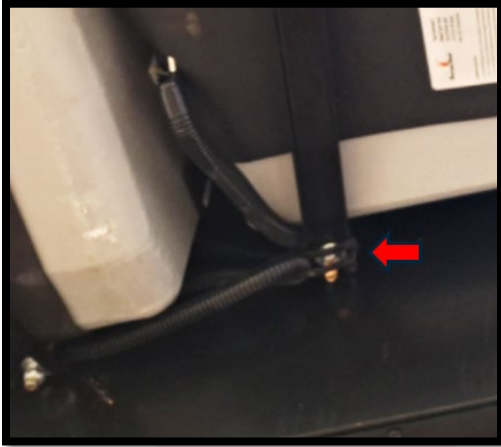


D. Make final harness connections in the following steps after heating pad installation.



## Step 5 – Disconnect and cap off old gray and black heating pad wiring.

- A. Cut off zip tie(s) securing the chassis loom near the heating pad with scissors. (As required)



- B. Using scissors, cut electrical tape at end of heater wire convoluted tubing near pad with scissors.



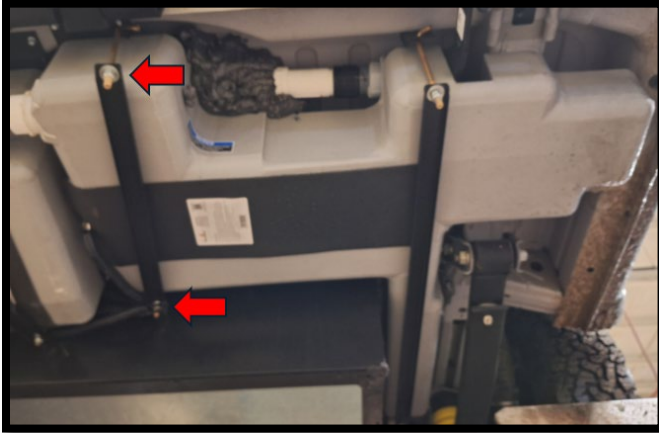
- C. Pull old heating pad wires from convoluted tubing. Cut leaving enough wire to crimp caps on the wires off and reinstall into conduit.
- D. Crimp one connector-closed end (058028-02-000) per wire, reinstall into old conduit and tape closed. These wires will be tied up along with new harness in a later step.



## Step 6 - Gray tank heater pad removal and re-installation.

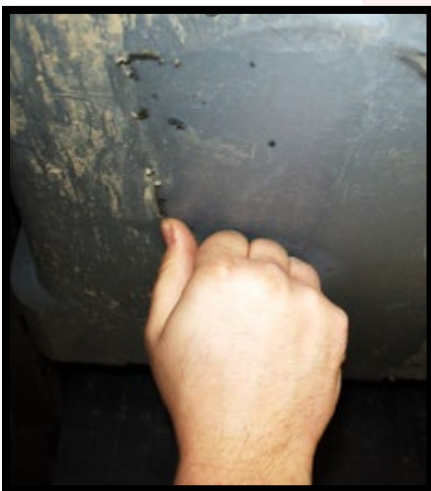
- A. Using 9/16" socket, remove 3/8" nylon loc nuts and washers from inboard hanger bracket noted below. Remove bracket and set aside for re-assembly. (discard nuts and washers)

**ONLY HAVE ONE STRAP REMOVED AT A TIME SO TANK DOES NOT FALL AND CAUSE POSSIBLE DAMAGE TO PLUMBING CONNECTIONS.**



- B. Peel and scrape heater pad off from area under bracket removed in previous step.  
C. Using your bare hand, apply pressure and roll off any adhesive still on the tank near the inboard bracket.

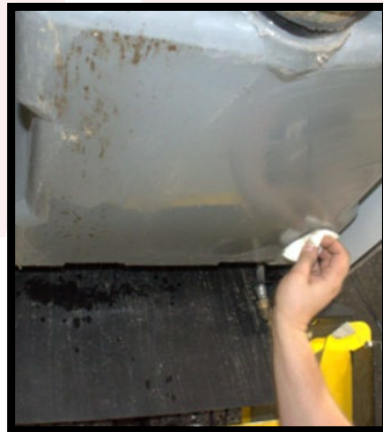
**DO NOT USE ANY TOOL TO REMOVE RESIDUE THAT CAN POTENTIALLY DAMAGE THE INTEGRITY OF THE TANK.**



- D. Reinstall inboard bracket with new washers and 3/8" nylon loc nuts and snug nuts with 9/16" socket.
- E. Using 9/16" socket, remove 3/8" nylon loc nuts and washers from outboard hanger bracket remove bracket and set aside for re-assembly. (discard nuts and washers)



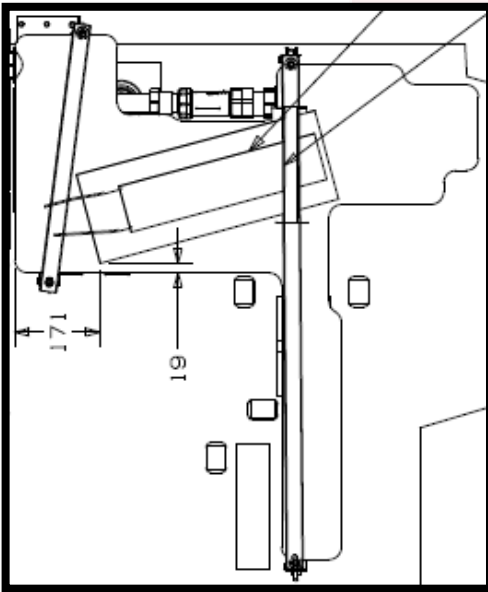
- F. Repeat steps 6.B. & C to remove the remainder of the heating pad from the tank.
- G. Clean area where pad was removed with isopropyl alcohol and clean shop towel. Allow to dry for 1-2 minutes until completely dry. **DO NOT USE ANY OTHER TYPE SOLVENT OTHER THAN ISOPROPYL ALCOHOL FOR FINAL CLEANING OF SURFACE**



- H. Use a thermo-gun to measure the temperature of the tank surface and ensure the temperature exceeds 55°F (12.8°C) or warmer.



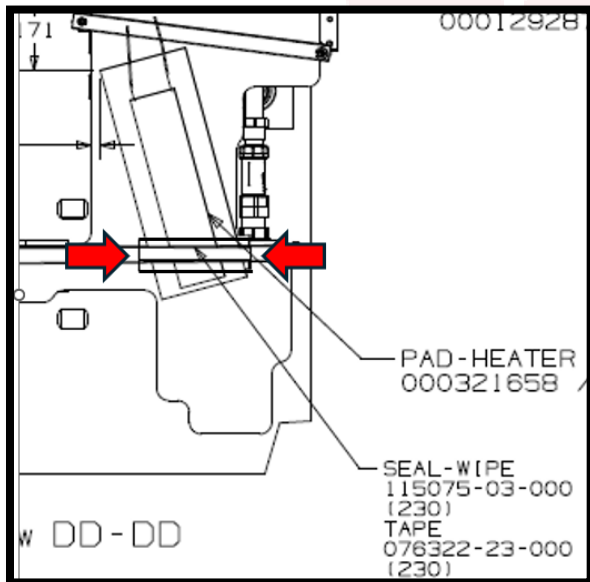
- I. Ensure that the tank straps will not sit on the heating pad's heating mechanism when installing them later in the process. Per dimensions noted below, start adhering the new pad at the wire connection side near inboard bracket and then follow through and adhere the rest of the heating pad appropriately, removing the paper side of the adhesive with one hand as you apply the pad with pressure with your other hand.



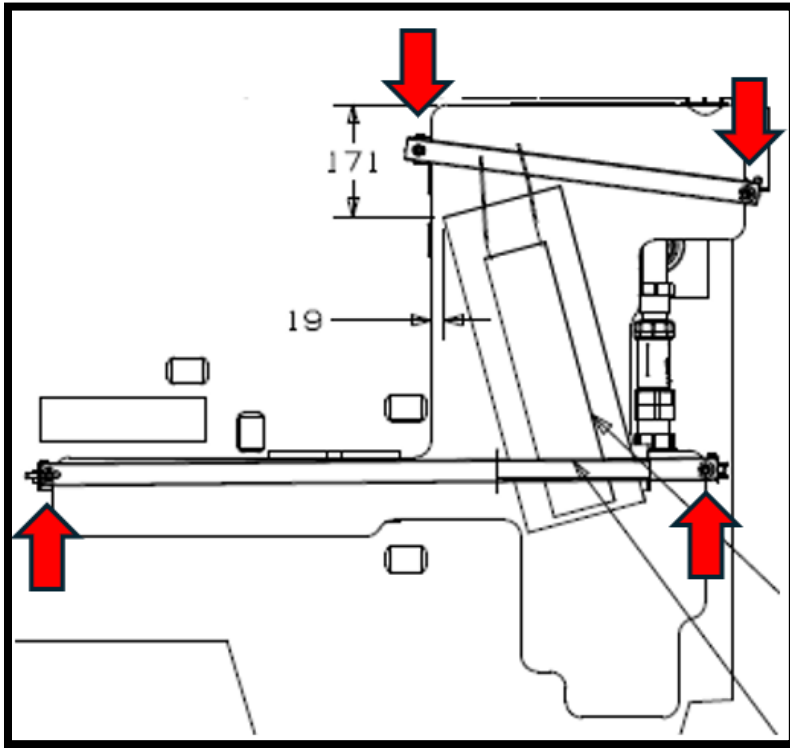
- J. Once the entire heating pad is applied to the tank, use a pressure roller and apply pressure to the adhered surfaces of the pad on the tank.



- K. Use scissors to cut a 9-inch strip of VHB Tape (076322-23-000) and Seal-Wipe (115075-03-000). Install the VHB tape on the wipe seal.
- L. On the outboard tank bracket set aside earlier, clean foam any debris off the surface of the outboard tank bracket set aside earlier. Remove the VHB tape backing and install the seal-wipe to the area bracket that sets over the heating pad.



- M. Using 9/16" socket, reinstall outboard hanger bolts and u-channel using new washers and 3/8" nylon loc nuts. Tighten all four nylon loc nuts evenly until the tank is secure and brackets compress tank slightly. Ensure brackets are tight and do not move.



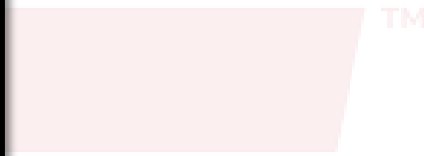
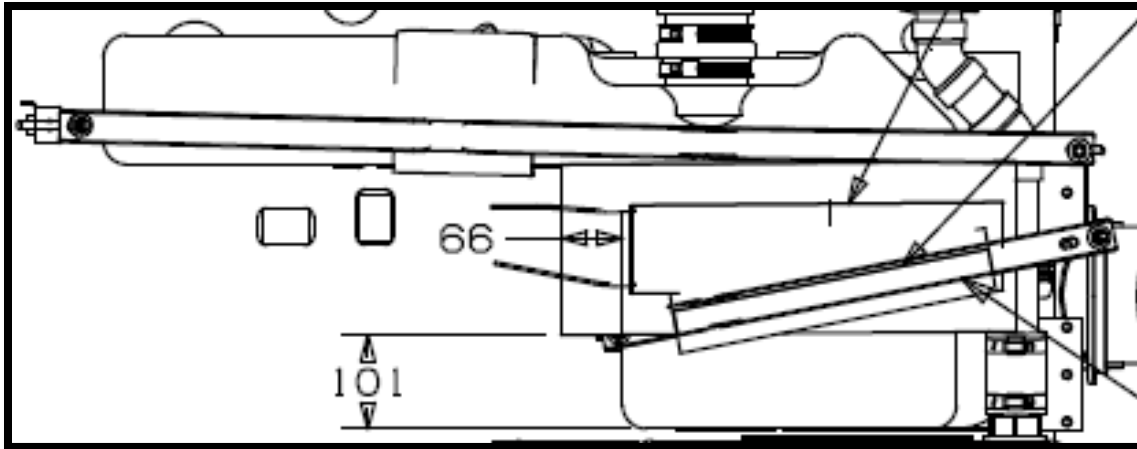
### Step 7 - Black tank heater pad removal and re-installation.

- A. Using 9/16" socket, remove 3/8" nylon loc nuts and washers from inboard hanger bolts and remove bracket. (discard nuts and washers)
- B. Peel and scrape heater pad from tank.
- C. Using your bare hand, apply pressure and roll off any adhesive still on the tank. (See illustration on step 6.C.)
- D.
- E. Clean area where the pad was removed with isopropyl alcohol and clean shop towel. Allow to dry for 1-2 minutes until completely dry. (See illustration on step



6.G.) **NOT USE ANY OTHER TYPE SOLVENT OTHER THAN ISOPROPYL ALCOHOL FOR FINAL CLEANING OF SURFACE**

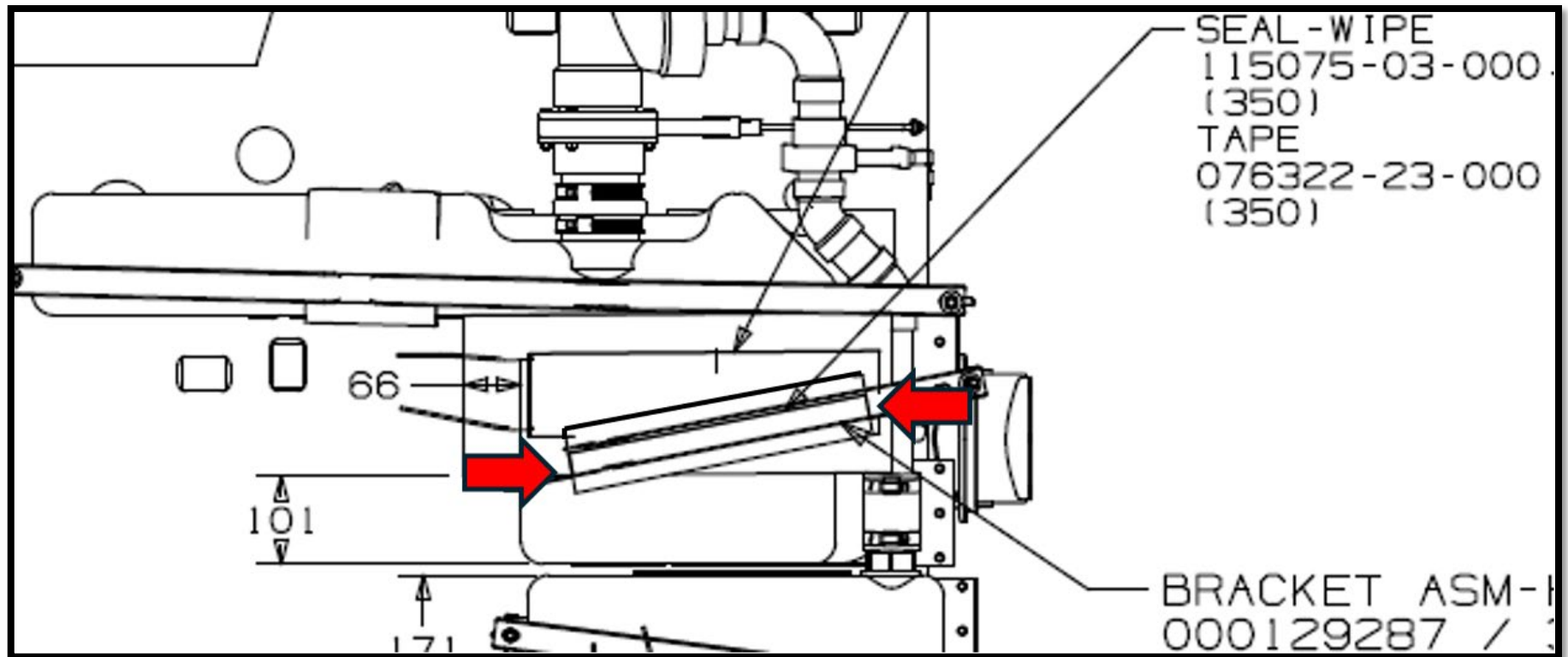
- F. Use a thermo-gun to measure the temperature of the tank surface and ensure the temperature exceeds 55°F (12.8°C) or warmer. (See illustration on step 6.H.)
- G. Per dimensions noted below, start adhering the new pad at the wire connection side and then follow through and adhere the rest of the heating pad appropriately, removing the paper side of the adhesive with one hand as you apply the pad with pressure with your other hand.



FOR ILLUSTRATION PURPOSES ONLY



- H. Use a pressure roller and apply pressure to the adhered surfaces of the pad on the tank. (See illustration on step 6.J.)
- I. Use scissors to cut a 14-inch strip of VHB Tape (076322-23-000) and Seal-Wipe (115075-03-000). Install the VHB tape on the wipe seal.
- J. On the inboard tank bracket set aside earlier, clean any foam and debris off the surface of the strap and remove the VHB tape backing and install the wipe seal area of bracket that sets over the heating pad.



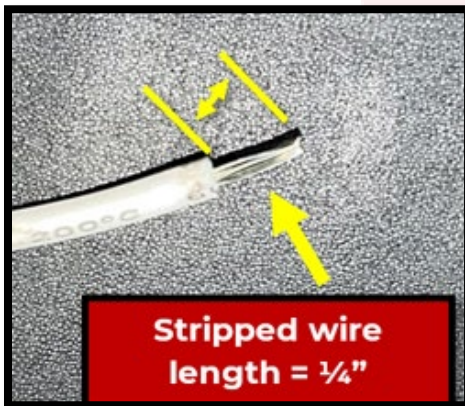
- K. Reinstall hanger bolts and u-channel using new washers and 3/8" nylon loc nuts and 9/16" socket. Tighten nuts evenly until the tank is secure and bracket compress tank slightly. Ensure all four tank brackets are tight and do not move.



**Note:** Verify the tank strap does not go over the built-in sensor on the heat pad before tightening tank strap nuts.

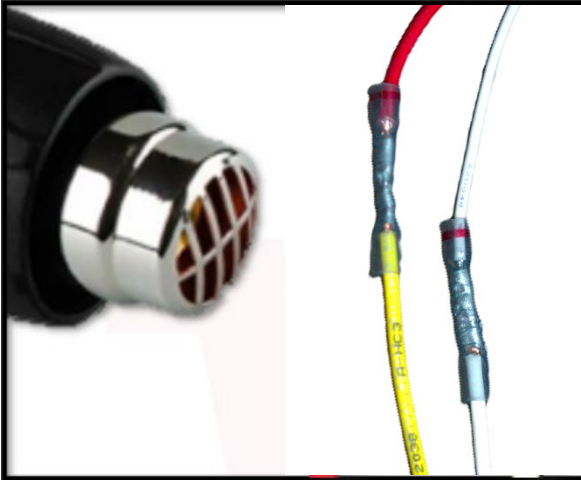
**Step 8 - Make the Wire Connections to new harness and Secure to chassis.**

- A. With wire cutter, cut off excess red and white heating pad wires. **ENSURE THERE WILL BE ENOUGH WIRE TO MAKE CONNECTION TO THE WIRE HARNESS AND NOT STRESS CONNECTIONS WHEN RE-SECURED.**
- B. Using wire strippers, strip ends of red and white heater pad wires about 1/4".

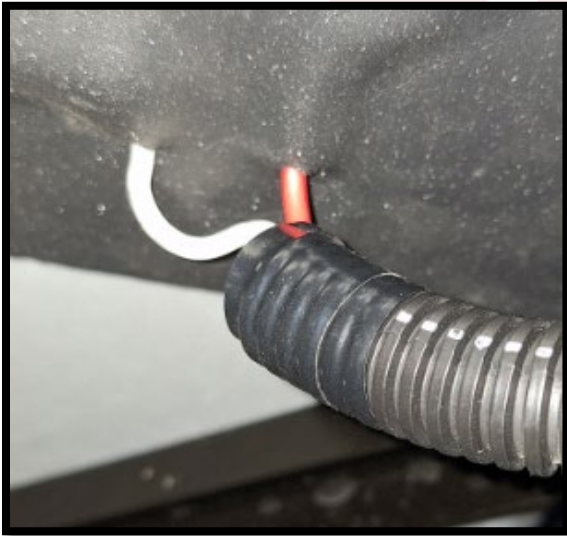


- C. Install and crimp butt splice connectors. White re-work harness wire to heating pad white wire and yellow re-work harness wire to heating pad red wire.

D. Using heat gun, shrink butt connections that were made. Apply heat while rotating connectors until connector is sealed around wires.



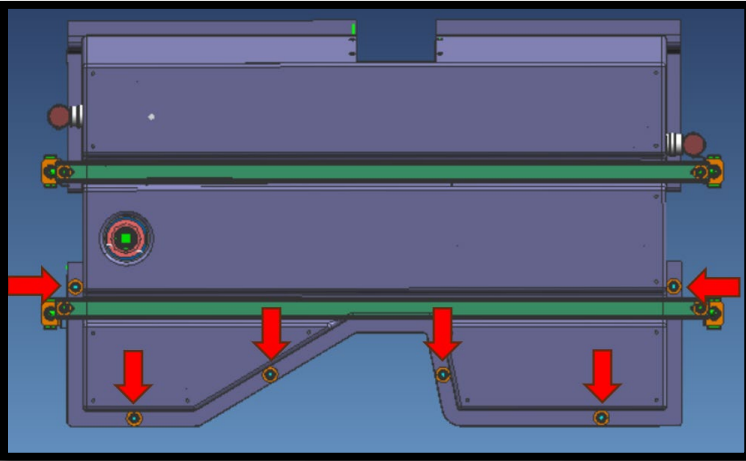
E. Route wires back into convoluted tubing where applicable. Adding additional conduit if required. Tape connections of tubing and re-tape end of tubes securing wires with electrical tape.



F. Use wire tie(s) to secure the re-work wire loom and old wiring per step 4.C.

## Step 9 – Fresh water tank heater pad removal and re-installation.

- A. Using 9/16" socket, remove six 3/8" nylon lock nuts and washers from compartment lower cover. (discard nuts and washers)



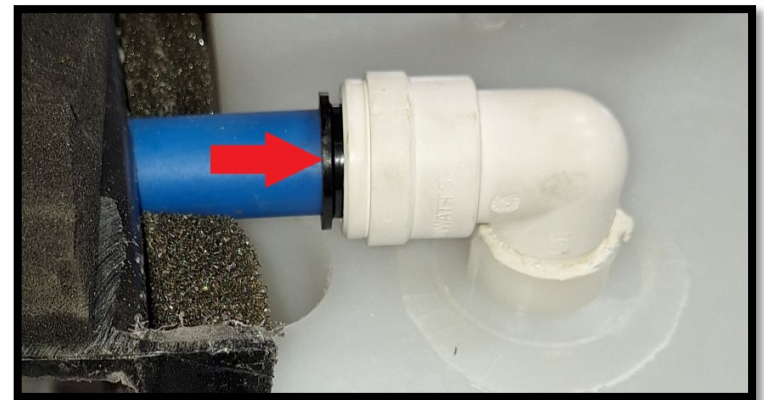
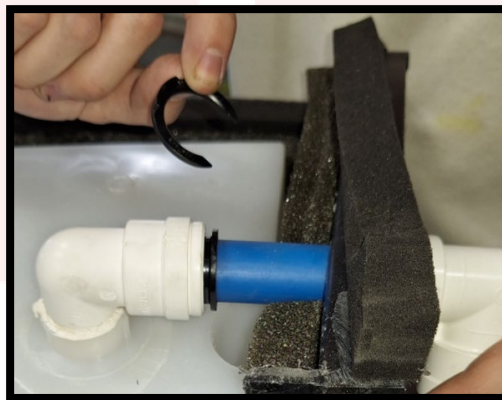
- B. Using 9/16" socket, remove four 3/8" nylon lock nuts and washers from u-channel hanger bolts. (discard nuts and washers) Set aside u- channel and hanger bolts for reinstallation.



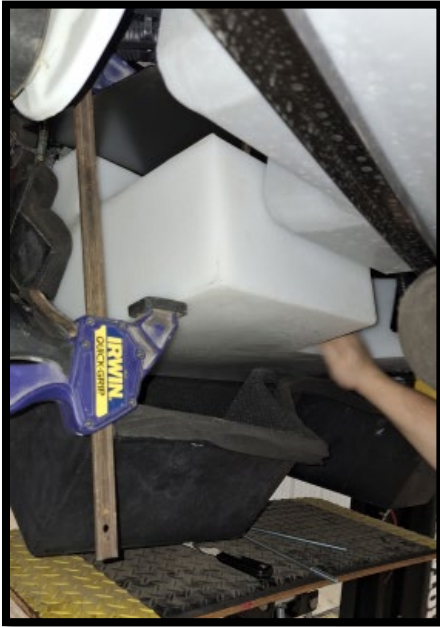
- C. Separate compartment and tank from top cover pulling down to access freshwater tank. Support tank and lower compartment housing with suitable jack.



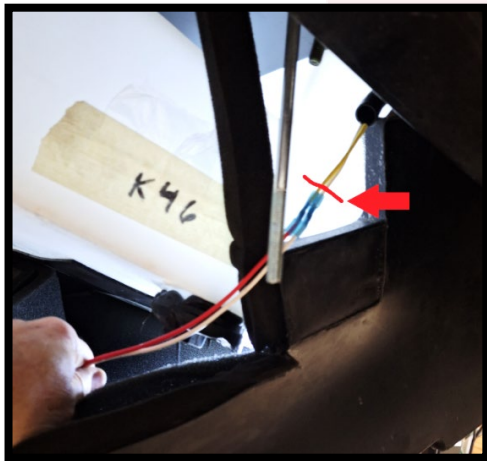
- D. With pick or flat blade screwdriver, remove retainer clips from two overflow elbows on each side of tank and set them aside for re-assembly later. Push shark bite inserts in, twist and pull overflow tubes out from the elbow through the holes in the lower tank compartment and set them aside for re-assembly later.



E. Use one of the compartment j-hook hangers or similar hook tool down between tank and compartment, pull tank up out of compartment exposing heating pad. Clamp the tank up to compartment cover on both sides using bar clamps.



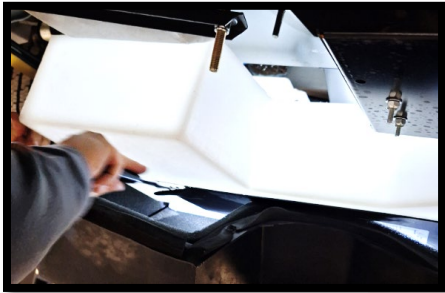
F. Follow wires from heating pad to butt connectors connected to coach harness. Cut yellow and white harness wires on coach side of heating pad butt connectors.



- G. Use the crimp connector-closed end (058028-02-000) one per wire of the original loom needed to be closed off. Place wires back into area with tank sensor wires for the black and grey tanks and place the original loom within the freshwater tank compartment, on the back side of the freshwater tank.



- H. Scrap and peel old heating pad from tank.



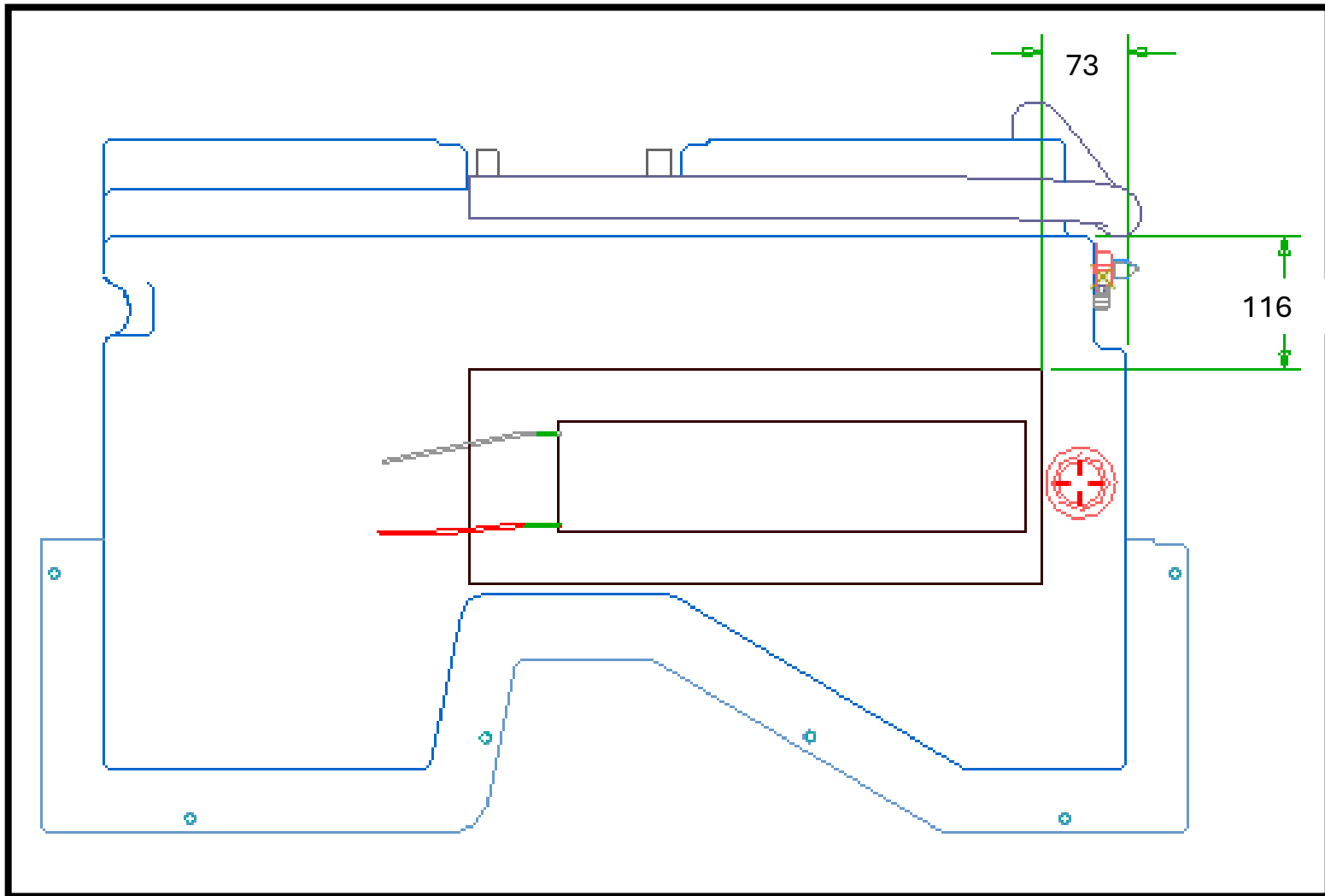
- I. Using your bare hand, apply pressure to roll off any adhesive still on the tank. (See illustration on step 6.C.)
- J. Clean area where the pad was removed with isopropyl alcohol and clean shop towel. Allow to dry for 1-2 minutes until completely dry. (see illustration on step 6.G.) **DO NOT USE ANY OTHER TYPE SOLVENT OTHER THAN ISOPROPYL ALCOHOL FOR FINAL CLEANING OF SURFACE**
- K. Use a thermo-gun to measure the temperature of the tank surface and ensure the temperature exceeds 55°F (12.8°C) or warmer. (see illustration on step 6.H.)



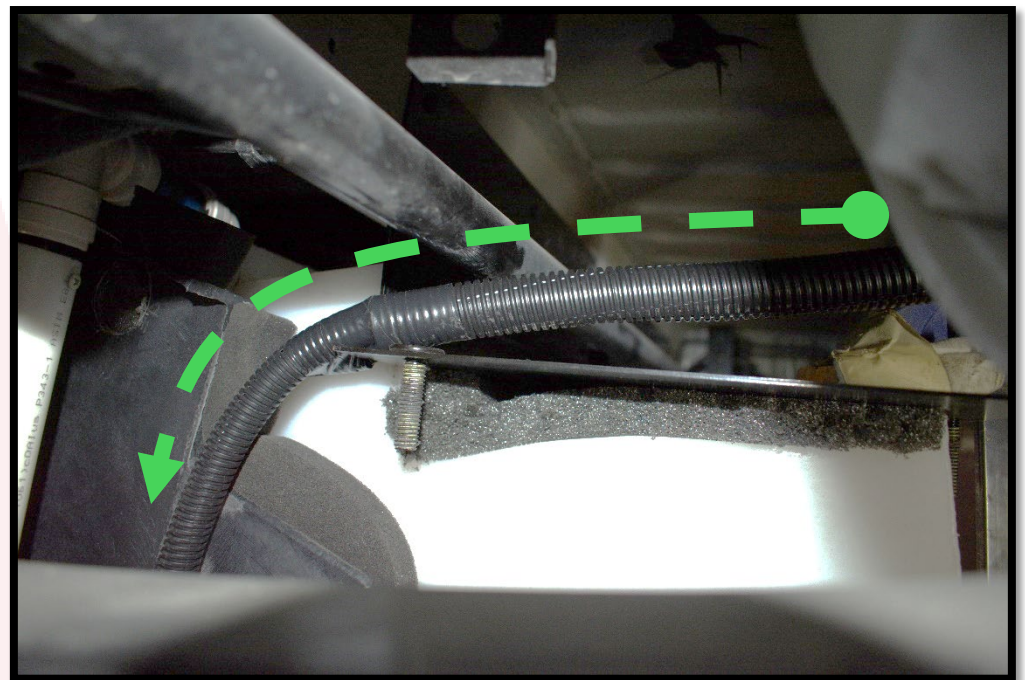
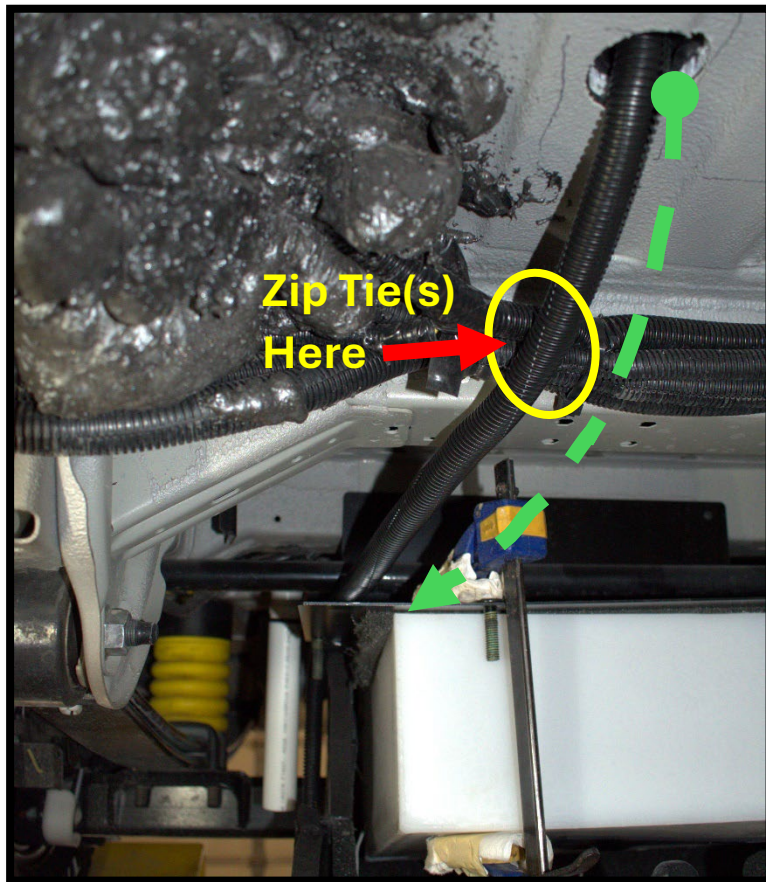
**NOTE:** If the tanks do not exceed this temperature, use a heat lamp or heat gun to ensure the tank is above this temperature. Failure to adhere the heating pads at an appropriate tank surface temperature may cause the adhesive to fail.

- L. Per dimensions noted below, start adhering the new pad at drain side of the tank (**Heating Pad Wired should be towards the Passenger side of the vehicle**), then follow through and adhere the rest of the heating pad appropriately, removing the paper side of the adhesive with one hand as you apply the pad with pressure with your other hand.

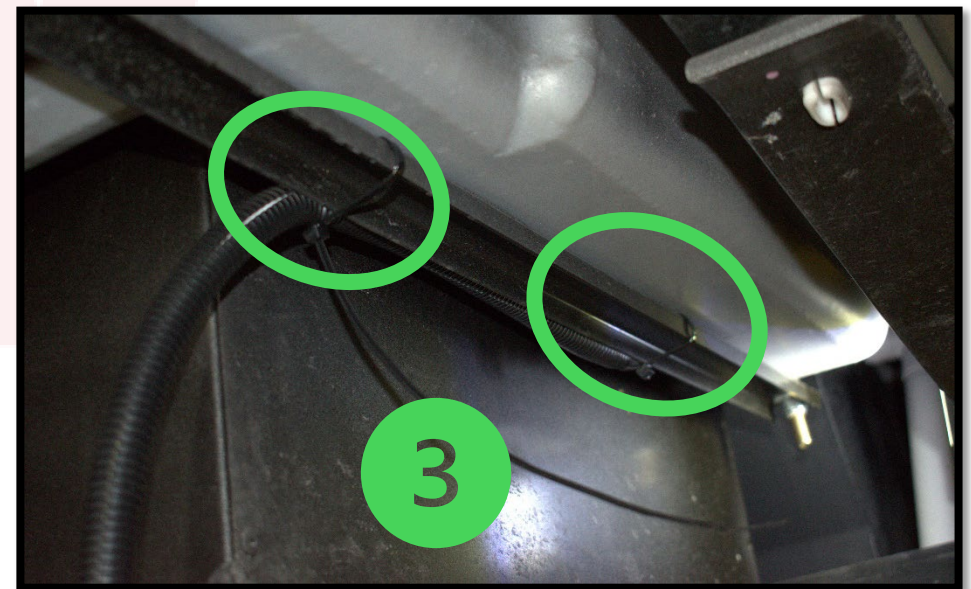
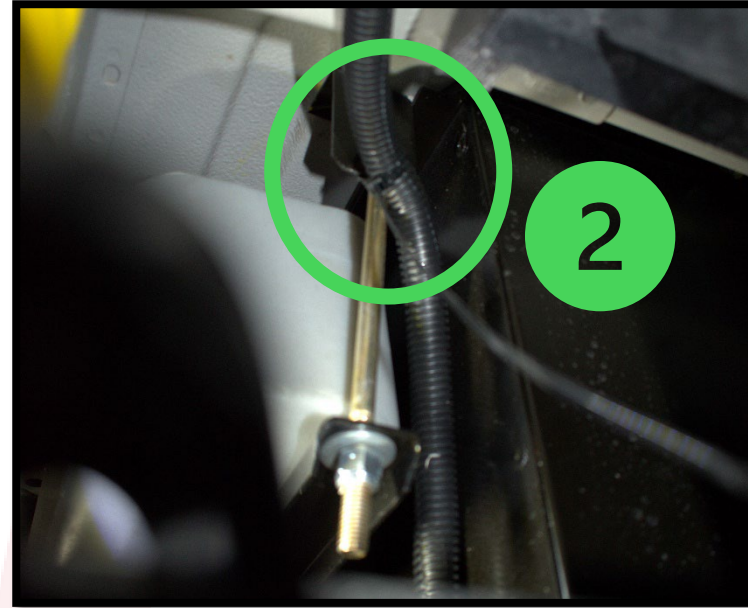
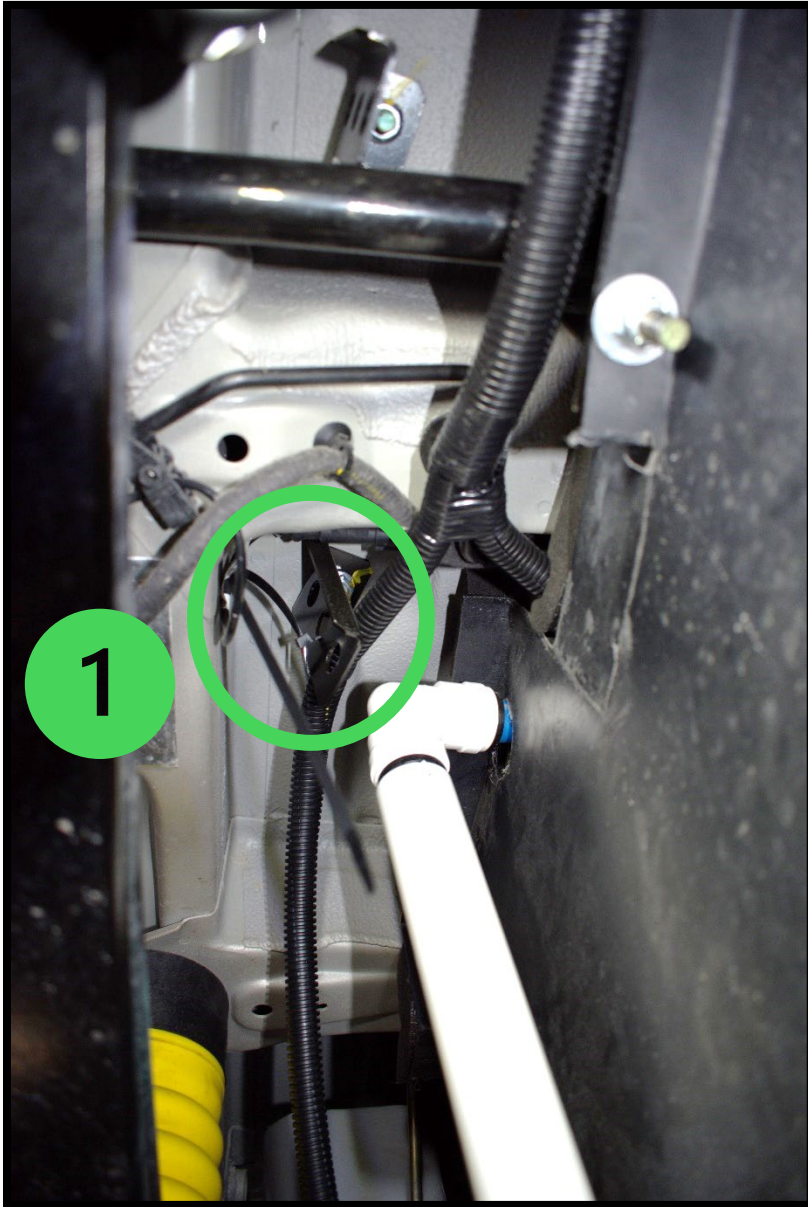
**NEW FRESHWATER TANK HEATING PAD IS INSTALLED IN THE OPPOSITE DIRECTION AS THE OLD PAD THAT WAS REMOVED, WITH WIRES TOWARD THE PASSNEGER SIDE.**



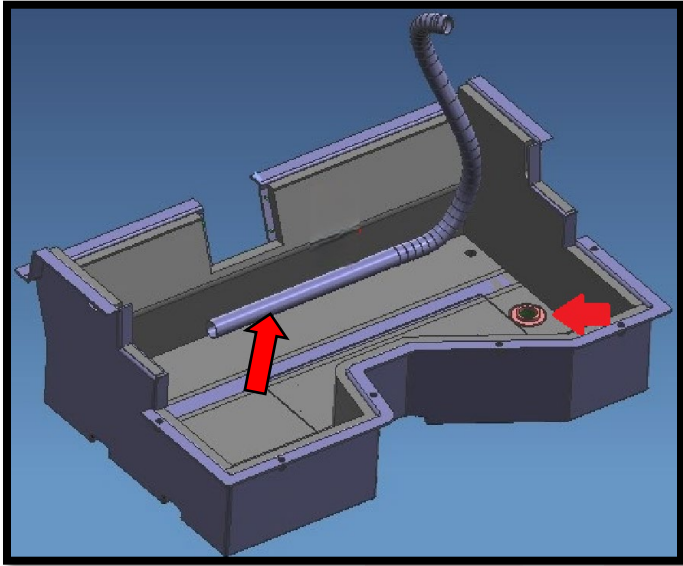
- M. Once entire heating pad is applied to the tank, use a pressure roller and apply pressure to the adhered surfaces of the pad on the tank. (See illustration on step 6.J.)
- N. Route new wire harness over to the passenger side of the freshwater tank compartment (between the sway bar and the top side of the compartment surface). Apply a zip tie(s) to secure the new harness to the other harnesses intersecting (see image below). Make the wire connections from the heating pad to the re-work harness. Red Wire of the new pad should be connected to the Yellow harness wire and White harness wire should be connected to the White pad wire. (See step 8D.)



- O. Add a Zip Tie to the J-hook Bracket's highest hole(s) that is located near the overflow elbows (Passenger Side of the Vehicle), Once secured, route the Asm-Harness towards the next J-hook bracket that holds the back end of the grey tank, and around the Battery-Box. Use Zip Ties as needed to secure the harness to the tank brackets along the route. Follow the 1-3 order below.



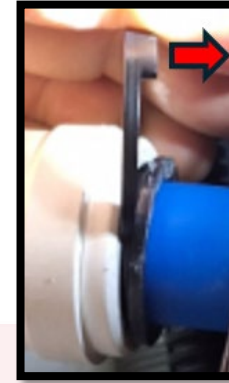
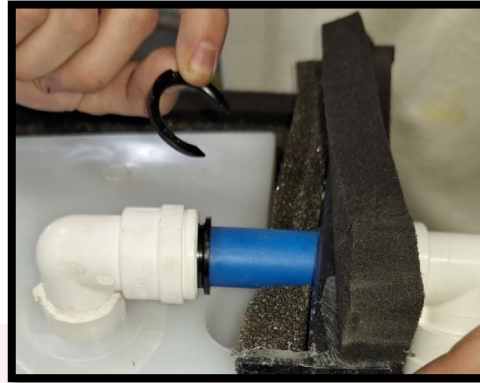
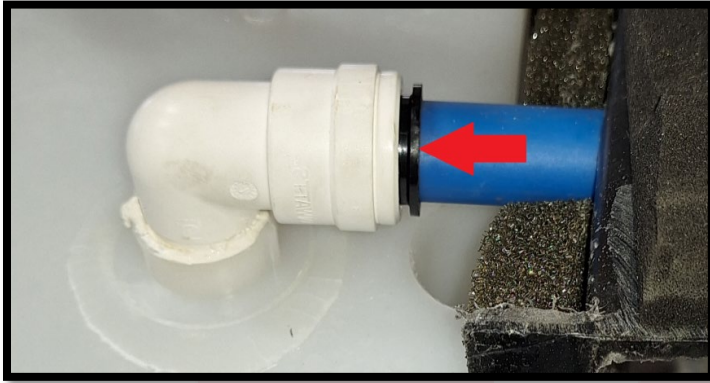
P. Ensure the vent inside the freshwater tank compartment is not being crushed or damaged by the tank.



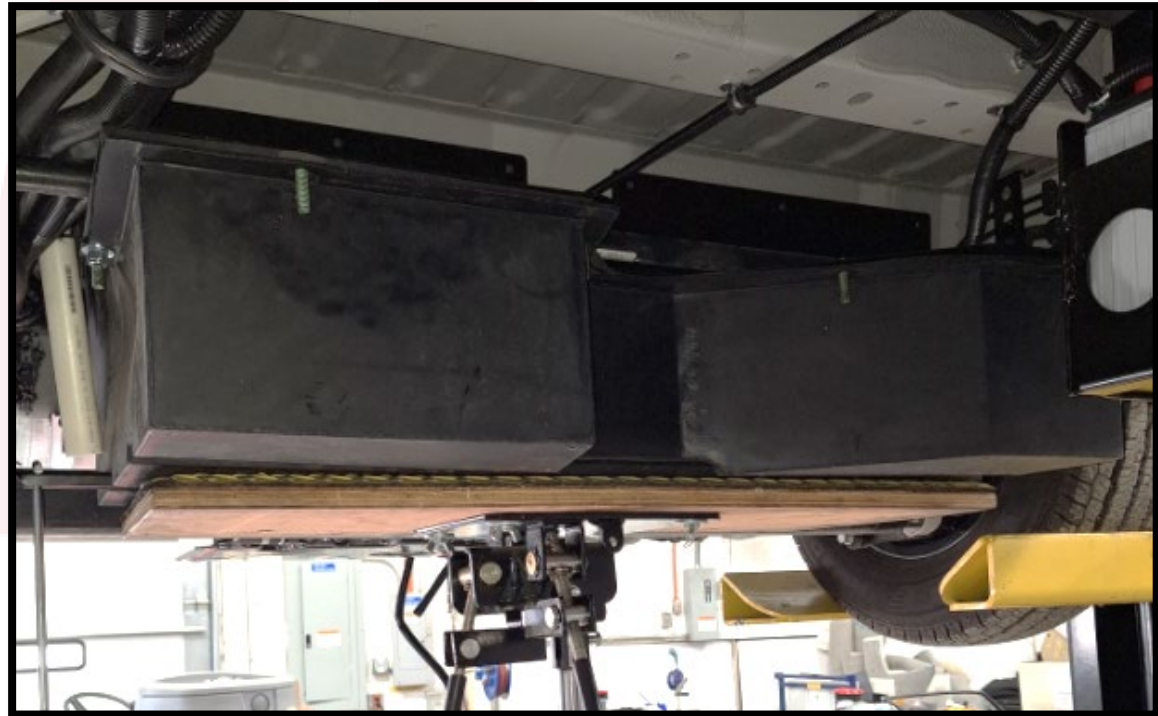
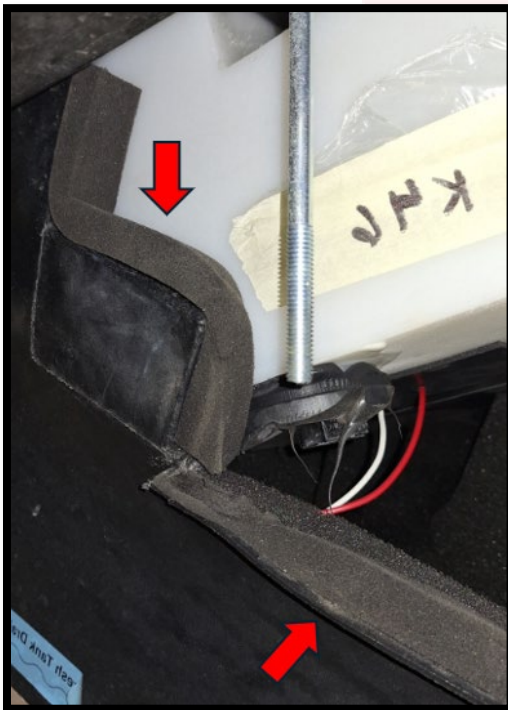
Q. Verify insulation around the tank is in place. Remove bar clamps and close the freshwater tank back into its compartment.



R. Re-install overflow tubes set aside earlier through the holes in the lower tank compartment. Push shark bite inserts in and push overflow tubes that were retained earlier fully into the elbows. Reinstall retainer clips behind inserts on elbows to lock inserts with tab facing toward tubing.



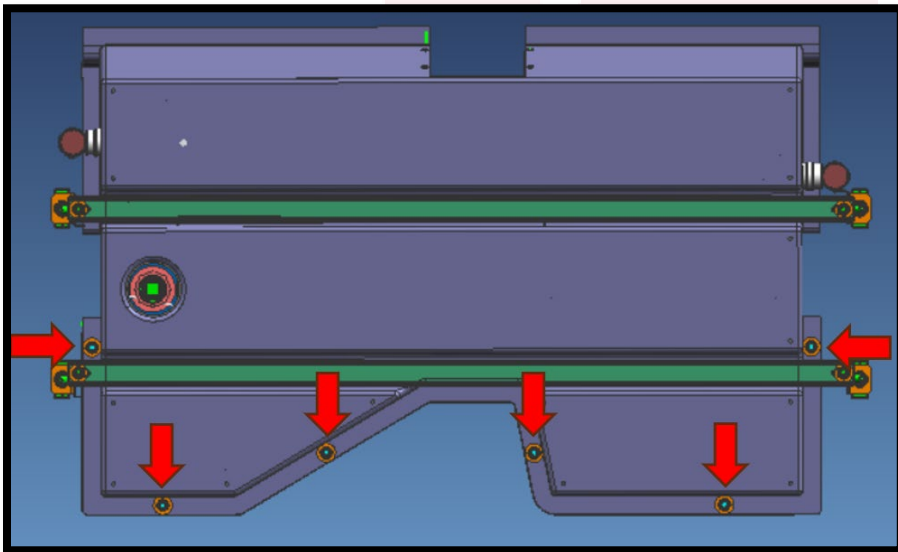
S. Ensure foam seal around the perimeter of the compartment is in place, then use jack to raise the freshwater tank compartment back into place over studs and against top cover.



- T. Reinstall hanger bolts and u-channel using new washers and 3/8" nylon loc nuts. Tighten nuts evenly using 9/16" socket until the tank is secure and brackets compress tank slightly. Ensure brackets are tight and do not move.



- U. Install six new washers and 3/8" nylon loc nuts to studs on compartment cover tighten with 9/16" socket and torque to 6Nm +/- 0.6 Nm.

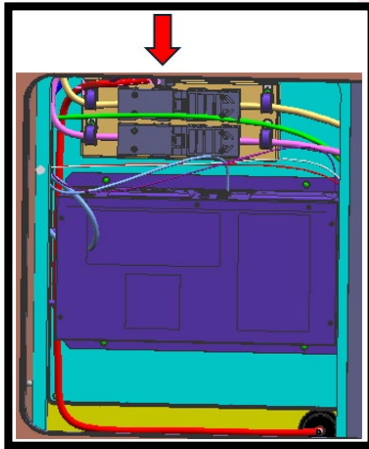


## Step 10 – Verify freshwater tank connections.

- A. Lower vehicle.
- B. Under passenger side bed frame, locate heating pad 3 pin connection that has 2 wires (Ground Wire is HC, and White wire is NC). Disconnect the old heating pad harness and use electrical tape to tape off over end old heating pad harness connector.



- C. Route new rework harness around Volta module and connect coach 3 pin connector disconnected in the previous step to the new heating pad harness connector.



**Step 11 – Re-install passenger side access cover, lower bed frame and install bed cushion remove in steps 1.D.-F.**

**Step 12 – Verify freshwater tank connections.**

A. Remove drivers side bed cushion.



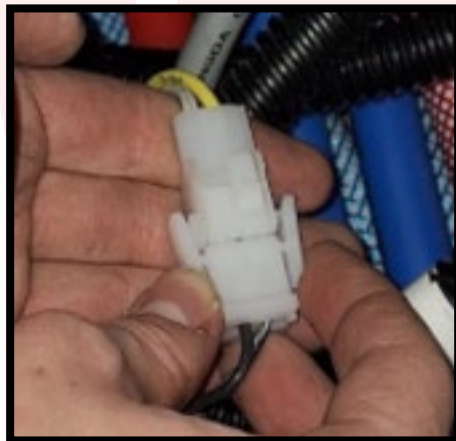
B. Remove seven Phillips screws and set aside for re-installation. Remove bed frame and set aside re-installation.



C. Remove six Philips screws and set aside for re-installation. Remove bed panel assembly and set aside for re-installation.



D. Check to ensure that the tank heater duct is not pulled out of the ducting wye and that the tank sensor wires are still connected and not pulled loose or damaged. There should be only two 2 pin connections in this area. One is the old freshwater heating pad connection, and one is the tank sensor connection shown below.



- E. Re-install bed panel assembly, bed frame and bed cushion removed in steps 12.A-C.
- F. The Rework is Now Complete!