



## WATER HEATER RELOCATION PROCESS

<b>Bulletin Type:</b>	Recall	<b>Publication Date:</b>	January 2022
<b>Bulletin #(s):</b>	21V-897 US _ 2021-708 CAN	<b>Make(s):</b>	Jayco
<b>Job Code(s):</b>	9901572	<b>Model(s):</b>	Jay Flight Octane
<b>Flat Rate(s):</b>	3.0 Hr. – Water Heater Relocation	<b>Model Year(s):</b>	2021

<b>Incident:</b>	Water Heater installed under the Slideout
<b>Affected Units:</b>	2021 Jay Flight Octane M1VD0050-M1VD0176
<b>Parts Kit: 21V-897</b>	Contents: See Page 7
<b>Misc. Tools &amp; Supplies:</b>	Power drill, Router, Utility knife, Hammer, Rivet gun
<b>Parts Return Information:</b>	N/A

## FINISHED INSTALLATION WITH SUPPLIED PARTS

- **Finished Installation**

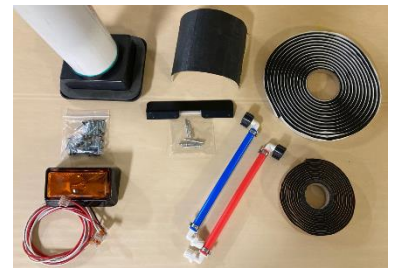


21V-897 Water Heater Relocation

- **Supplied Parts**



Adapter Plate With #8 x 1 1/2" wood Screws above.

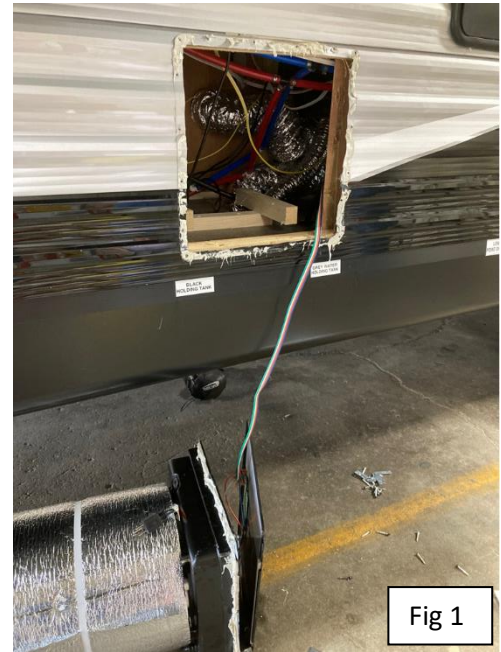


Additional Parts in Kit above.

# WATER HEATER RELOCATION PROCESS

## **1. Prepare the unit for the installation for new parts**

- a. **On the interior:**
- b. Open the access panel in the lower cabinetry located forward of the refrigerator cabinet. Remove the return air grill at the bottom of the refrigerator cabinet. This will provide needed access from the interior of the coach.
- c. **On the exterior:**
- d. Drain the water from the water heater. Close the LP Gas valves on the LP bottles. On the water heater, disconnect the gas line, the hot water line, and the cold water line. Unplug the water heater from the 120 volt AC wall receptacle.
- e. Take a clear photo of the low voltage electrical connection prior to disconnecting the low voltage wires.
- f. This will make a valuable reference when reconnecting the water heater. The gas line for the Refrigerator and the Furnace should also be disconnected. Pull the three gas lines down through the floor holes. Remove the three grommets for later use. Tape over the ends of all of these gas lines to avoid contamination entering these lines.
- g. With a hammer remove the wood framing member from the right side of the water heater opening by pounding it free at the top and bottom corner of the opening. Keep this wood piece as it will be reinstalled later. This step can be seen in Figure 2.

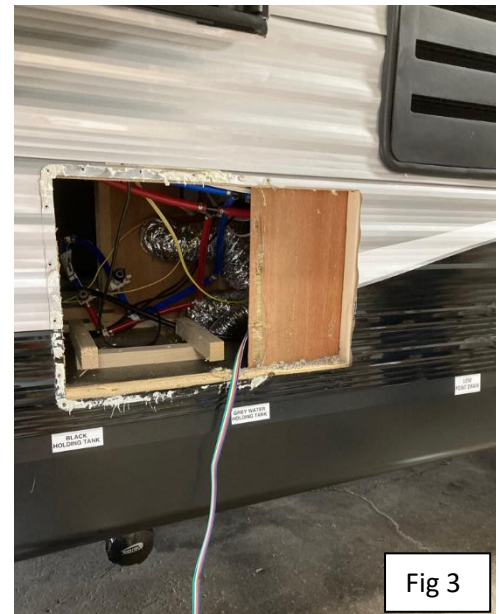


h. Using the router, follow the edge of the framing members that define the new opening and remove the side metal and the exterior fiberglass that is exposed. Routing is shown in Figure 3.

i. With a sharp utility knife cut the interior paneling so that it is flush with the edge of the framing to allow for the water heater to be moved rearward. The wood framing member, shown in Figure 4 needs to be cut and removed from the area to allow the water heater to be installed into its new position.

j. After the panel and wood framing member have been removed, drill three 1" dia. holes through the floor.

k. Locate all three holes below or slightly rearward of the drain that runs horizontally towards the front corner of the refrigerator cabinet. Also look under the floor at the outrigger location on the frame.

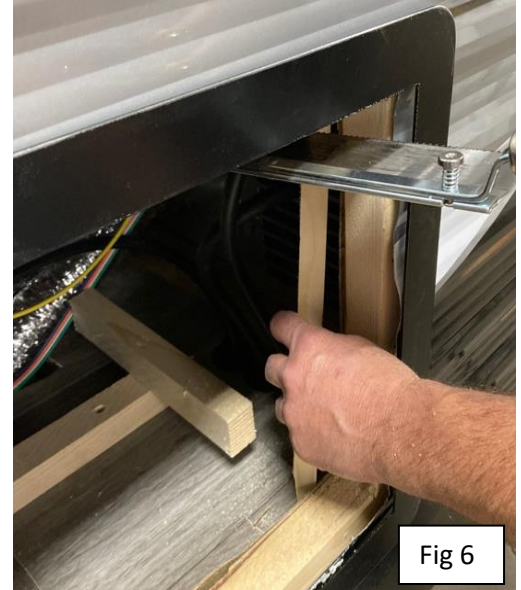


**i. Note: This will avoid drilling these holes on top of the steel outrigger.**

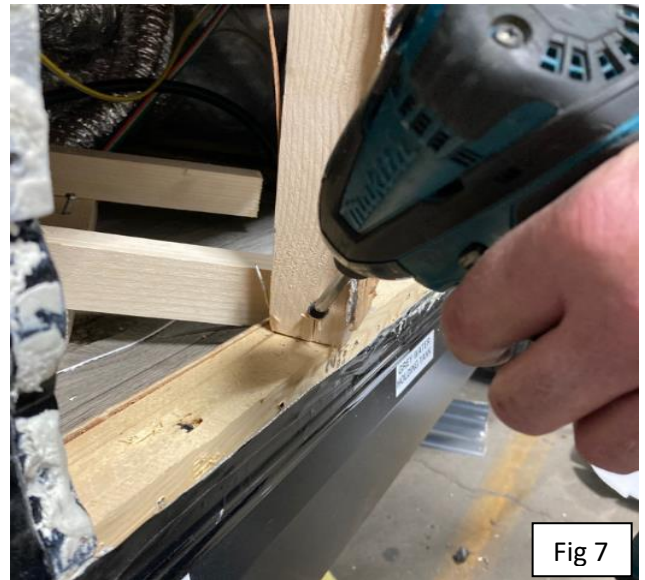
l. With the gas lines relocated as described the water heater can be installed without interference with the gas lines. Push the gas lines through the holes and install the grommets around the gas lines and secure to the floor shown in Fig 5.

m. Cover the original holes in the bottom of the underbelly material with the patch material provided and or foam sealant.

n. Remove the tape from the refrigerator and furnace gas line and reinstall these gas lines onto their respective appliances.



- o. The framing member that was removed from the rear side of the water heater is to now be reinstalled at the forward edge of the water heater opening. This step is shown in Figure 7.
- p. This is to be located so that there is a 13" wide opening for the water heater to be inserted into. Use # 8 washer head screws to secure this item to the top and bottom framing members.
- q. There needs to be a 1½" x 1½" x 6" piece of wood secured with a couple of #8 x 1½" washer head screws to the bottom of the smaller opening that is forward of the water heater to serve as a backer for adapter plate.
- r. This wood piece is not shown in Figure 7. However, the adapter plate will attach with #8 x 1 ½" wood screw into the hole on the lower left corner of the adapter plate into the wood backer for additional support.
- s. This screw will also hold the adapter plate to the coach and be covered when the light is installed.



## **2. Installation of new adapter plate**

- a. Apply the round butyl/foam core sealant that has been provided to the perimeter and back side of the adapter plate assembly shown in Figure 8.
- b. This material will provide good adhesion and gap filling and will not be so ridged that it will not allow the adapter plate to lay flat to the sidewall.
- c. Align the adapter plate to the opening of the water heater. Align the wood framing so that the water heater opening in the adapter plate aligns with the water heater opening that the wood framing is providing shown in Figure 9.
- d. Screw the adapter plate to the side of the coach with the #8 x 1 ½" wood screws provided also shown in Figure 10. Holes in the backer plate have been marked indicating where these screws are to be placed.
- e. The other holes in the plate are for the installation of the glove storage compartment to be installed later.
  - i. **Note: Do not place screws into these holes at this point.**
- f. Tighten the screws down in a progressive pattern to secure the adapter plate evenly to the sidewall so as not to warp the plate. Tighten to ensure a good weather seal to the coach. Reposition the water heater support approximately 7" to



8" rearward on the floor so that the tank of the water heater is supported shown in Figure 6.

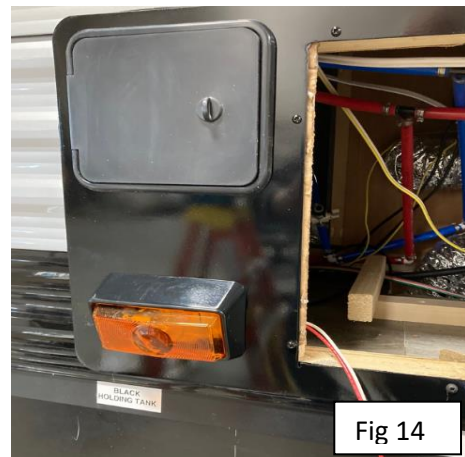
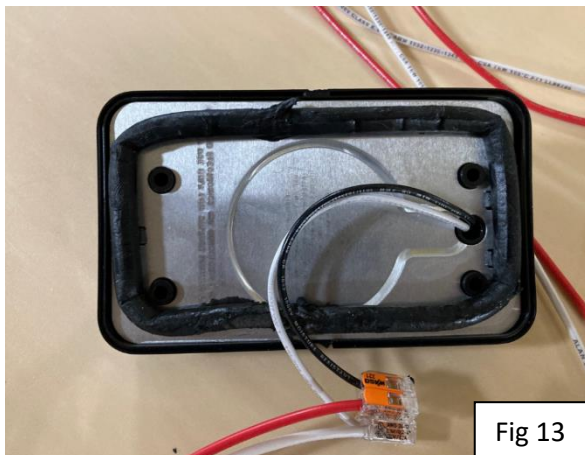
### **3. Installing the new sanitary compartment**

- a. Install the sanitary compartment as shown in Figure 11.
- b. This item has a foam weather seal on the back surface preinstalled so there is no need for additional seals to be added.
- c. The 2 screw holes on the left side and the 2 screw holes on the top side that hold the glove box in place are to be installed with #8 x 1 1/2" wood screws provided. They will secure through the predrilled holes in the adapter plate and into the wood framing. (Shown in Figure 12)
- d. The 2 screw holes in the bottom and the two screw holes on the right are to be secured with #8 x 1" self drilling screws as they will secure directly to the steel adapter plate.



### **4. Installing the new utility light**

- a. Apply the round butyl/foam core sealant that has been provided, to the back side of the light assembly as shown in Figure 13.
- b. Run the wires through the hole in the steel adapter plate and secure the light to the plate using four #8 x 1" self drilling screws shown in Figure 14.
- c. The power for the light will be spliced into the 12 volt DC power that is powering the furnace.



## **5. Re-Installation of the water heater**

- a. It will be necessary to remove the butyl tape sealant from the back of the water heater flange and clean the material from the edge of the flange.
- b. Now apply the 3/4" wide black butyl sealant provided in the parts kit to the flange of the water heater shown in Figure 15. Then install the water heater into the adapter assembly plate.
- c. Use the #8 x 1" self drilling screws provided to secure the water heater to the metal plate. Once the water heater is secure reinstall the gas line.
- d. The water lines will be reconnected from the interior of the unit using the (Red, hot) and (Blue, cold ) water line adapters that have been provided. The 120 volt AC is to be plugged into the wall receptacle. The 12 volt DC wires are to be reconnected referencing Figure 16 that was previously taken at the time of disassembly.
- e. The sewer drain service light is to be powered from the wires that are powering the furnace. The Wago electrical connectors have been provided for this purpose. (Shown in Figure 17)

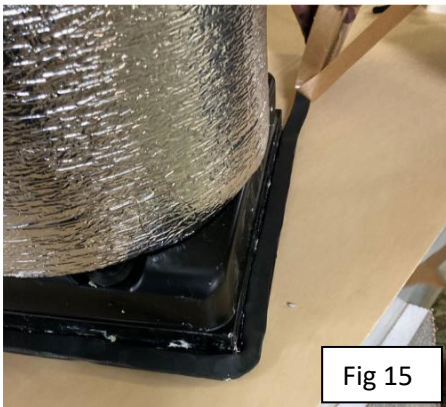


Fig 15

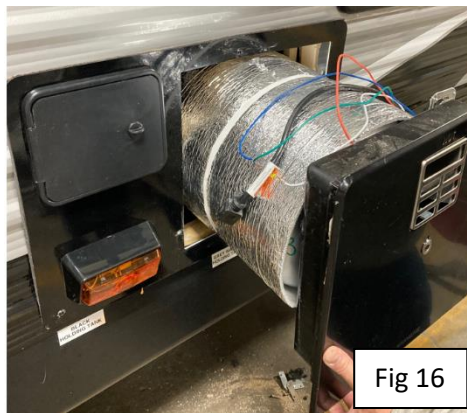


Fig 16



Fig 17

## **6. Installation of the water heater vent deflector**

- a. The exhaust deflector is to be placed onto the center of the water heater door as shown in Figure 18 and the hole locations marked onto the surface of the door. The door is to be drilled using a 3/16" drill bit. The deflector is to be riveted to the door using the rivets provided and shown in Figure 19.



Fig 18

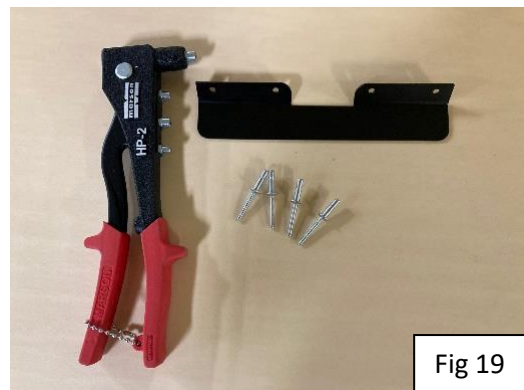


Fig 19

## **7. Functional Testing**

- a. The water heater drain plug is to be reinstalled and the water heater is to be filled with water pressurizing the water system with the city water supply. The water connections at the back of the water heater and the water line extensions are to be inspected for water leaks.
- b. The LP tank valves are to be opened and the fittings on the furnace, refrigerator, and water heater are to be checked for leaks with a bubble solution and the system pressure / gauge checked.
  - i. **Note: All appliances are to be operated to determine that they are operating properly with regards to LP gas operation.**
- c. The Drain service light is to be turned on and off to determine that it is operating correctly. If all of the above pass, check the water connections again prior to reinstalling the access cover and the return air grill.
- d. Work is now complete on the unit.

### **21V-897 Parts Kit Contents:**

1-Adapter plate  
12-#8 Wood screws  
1-Roll of butyl foam 102" - Cut to 84" Used for Adapter Plate and 18" for Utility Light  
1-Exhaust Deflector  
4-Pop Rivets  
1-Sanitary compartment door  
1-4" PVC Pipe cut to 11.5"  
1-4" End Cap  
28-#8 Screw, RW Quad 1" TEK2  
4-#8 Screw, Pan Quad 1" TWFST  
24" Window seal- for back of sanitary compartment door  
1-Utility light  
4- Wago Splice Connectors  
1-14GA Wire cut to 72"  
1-Hot (Red) water line with elbows and clamps  
1-Cold (Blue) water line with elbows and clamps  
1-Butyl tape cut to 54"- for Water Heater  
2-Underbelly patch material  
Shop Supplies: 1 ½" x 1 ½" X 6" piece of wood

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