

Work Instruction: Ceramic Fiber Insulation Installation in Fridge Cabinet (E13 Trailer)

1. Purpose

This instruction shows how to safely install ceramic fiber insulation inside the E13 trailer's fridge cabinet. Doing this stops the countertop from getting too hot and keeps dangerous exhaust gases out of the living area.

2. Safety and Preparation

- Ensure 120V shore power is unplugged and 12V battery is disconnected
- Ensure the LP gas valve at the tank is closed
- Allow the refrigerator to cool completely before beginning work
- Wear safety glasses, N95 dusk mask, and heavy-duty work gloves. Wear a disposable protective coverall or long-sleeved clothing and long pants

3. Equipment and Materials

Tools:

- Power Drill
- Measuring tape
- Utility knife

Material Kit:

- Ceramic Fiber Insulation (2 pcs @30", 1 pcs @60")
- 1/4" Flat Washers (ETI-02116, Qty: 28)
- #8 x 1" White Screws (Qty: 28)
- #8 x 1/2" screws (Qty:18)
- Plastic hanger (ETI-00772, Qty: 6)
- Metal Bracket (ETI-00623, Qty: 3)
- Spray adhesive
- Polyurethane flex insulation spray

4. Procedure

4.1 Fridge removal and propane line routing

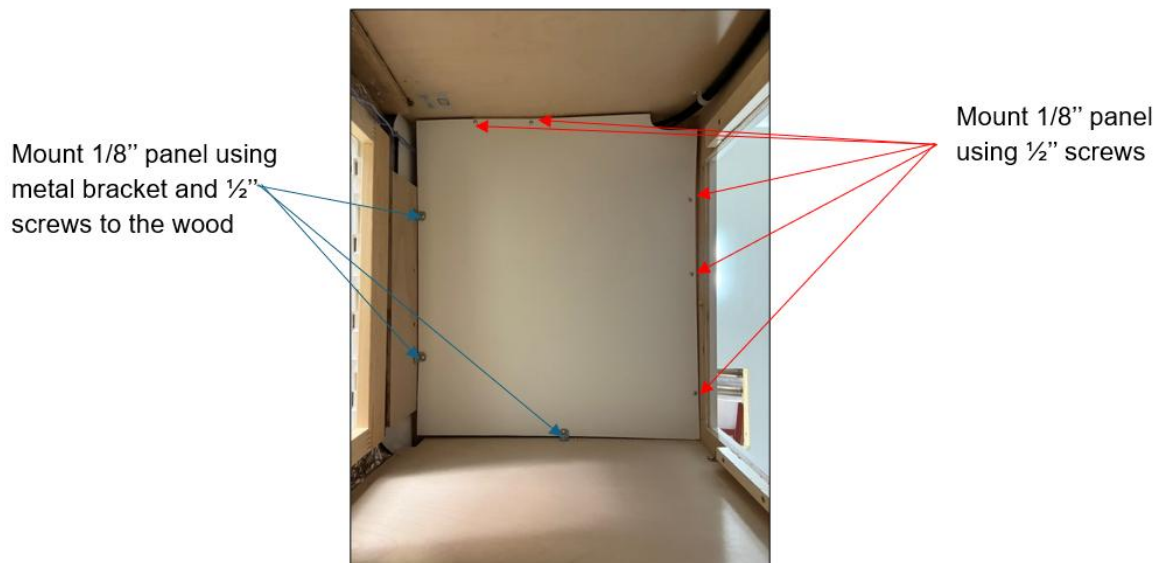
- First remove the fridge from the kitchen compartment and disconnect it from 120V power outlet and propane line
- Route the cooktop propane line as shown in the picture. Use plastic hanger, 1/2" screws to secure it out of the way

- Mount ignitor battery holder directly on the fridge vent frame



4.2 Install the wood panel under the cooktop

- Measure and cut the 1/8" wood panel to the required dimensions: 22.375 in. x 25.375 in. Cut out a small notch so it clears propane lines.
- Put the wood panel in place under the cooktop. Use a level to make sure it is completely flat and straight.
- Secure the panel using the metal brackets and 1/2" screws as shown in below picture.



4.3 Install the insulation

- Measure and cut the ceramic fiber insulation pieces using knife. Leave a little bit of extra material on the edges so you can press them tightly into the corners.
- Install one 60" insulation piece to continuously cover one side and top of the compartment. Install one 30" piece to cover the opposite side wall. Use remaining 30" piece to fill in the areas around the vents. Leave access to 120V fridge outlet.
- Use nine #8x 1" screws and 1/4" Flat Washers to secure insulation for each side walls. Use eight #8x 1" screws and 1/4" Flat Washers to secure insulation to top panel. Use spray adhesive to apply insulation pieces around the vents.
- Spray small polyurethane flex insulation sealant onto the back fridge wall inside the sink cubby

