OneControl® Hotspot™ (Prepped)

OEM INSTALLATION MANUAL

LIPPERT COMPONENTS®

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Introduction

This document provides instructions for the installation of an OneControl Hotspot™ prep kit. The installed kit is intended as an optional upgrade for RV owners.

Safety

Read and understand all instructions before installing or operating this product. Adhere to all safety labels.

This manual provides general instructions. Many variables can change the circumstances of the instructions, i.e., the degree of difficulty, operation and ability of the individual performing the instructions. This manual cannot begin to plot out instructions for every possibility, but provides the general instructions, as necessary, for effectively interfacing with the device, product or system. Failure to correctly follow the provided instructions may result in death, serious personal injury, severe product and/or property damage.

For information on the assembly or individual components of this product, please visit https://support.lci1.com/electronics

NOTE: Images used in this document are for reference only when assembling, installing and/or operating this product. Actual appearance of provided and/or purchased parts and assemblies may differ.

⚠WARNING

The "WARNING" symbol above is a sign that a procedure has a safety risk involved and may cause death or serious personal injury if not performed safely and within the parameters set forth in this manual.

⚠WARNING

Failure to follow instructions provided in this manual may result in serious personal injury and/or severe product and property damage, including voiding of the component warranty.

⚠WARNING

Unit MUST be supported per manufacturer's recommendations before working underneath. Failure to do so may result in death or serious personal injury.

⚠CAUTION

The "CAUTION" symbol above is a sign that a procedure has a safety risk involved and may cause personal injury, product or unit damage if not performed safely and within the parameters set forth in this manual.

⚠CAUTION

Always wear eye protection when performing service, maintenance or installation procedures. Other safety equipment to consider would be hearing protection, gloves and possibly a full face shield, depending on the nature of the task.

⚠ CAUTION

Moving parts can pinch, crush or cut. Keep clear and use caution.

Resources Required

- 1-2 people, depending on the task
- Cordless or electric drill or screw gun
- Appropriate drill bits
- Appropriate drive bits
- Sharp cutting tool
- All weather silicone sealant
- Tape measure
- Straightedge
- Non-permanent marking method
- Strain reliefs for electrical wire
- Four #8 x ¾" stainless steel Phillips pan head screws

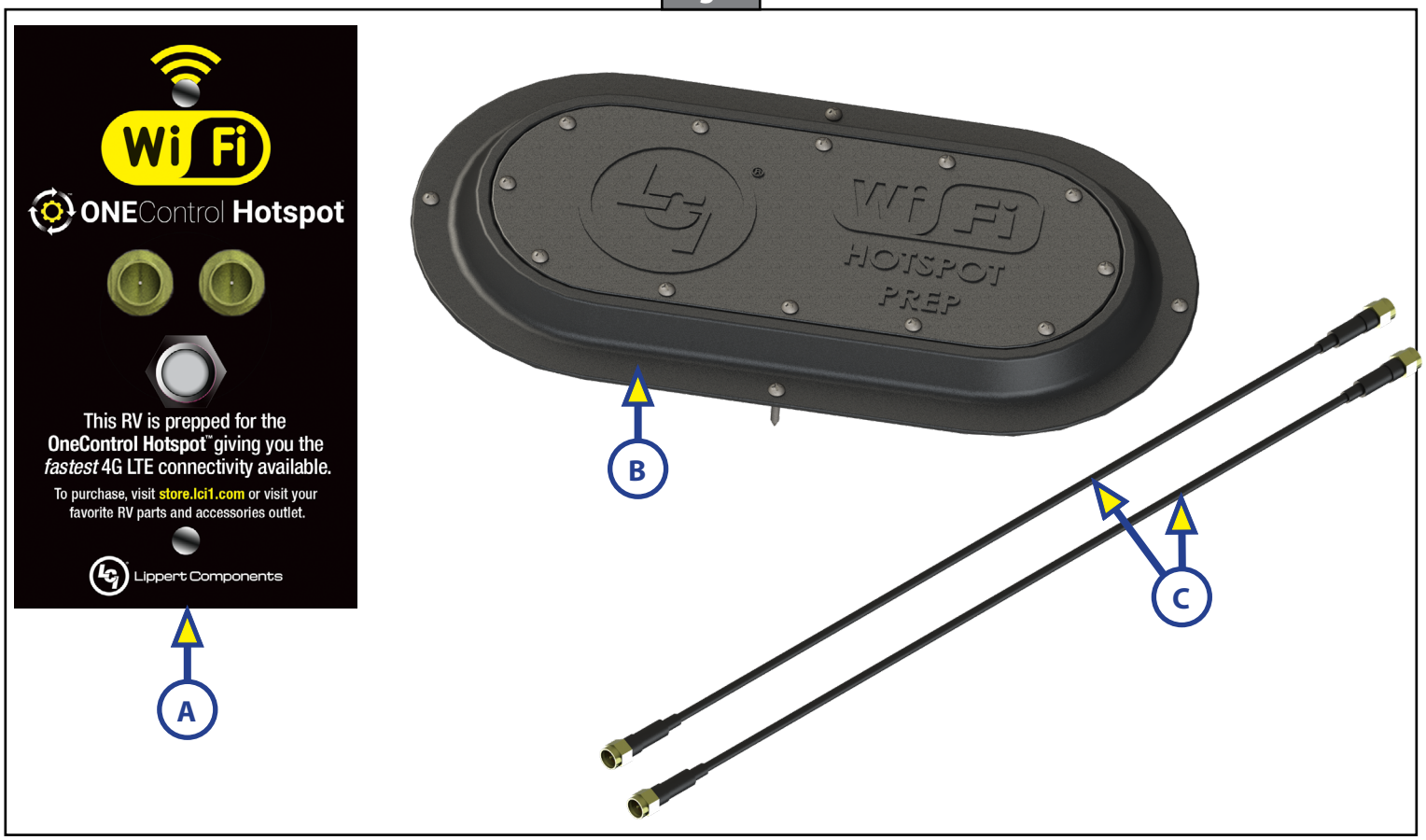
Preparation

1. Make sure unit is supported in accordance with manufacturer's recommendations.
2. Make sure the mounting surfaces for the internal prep plate (Fig. 1A) and external cellular antenna prep plate (Fig. 1B) are flat and clean—free of dust, grime and oils.

Installation

NOTE: Orange lines indicate where material is being removed, either by cutting, grinding or some other method. Green lines indicate a designated area. White lines with black borders indicate where marking on an object with a permanent or non-permanent marking method is required.

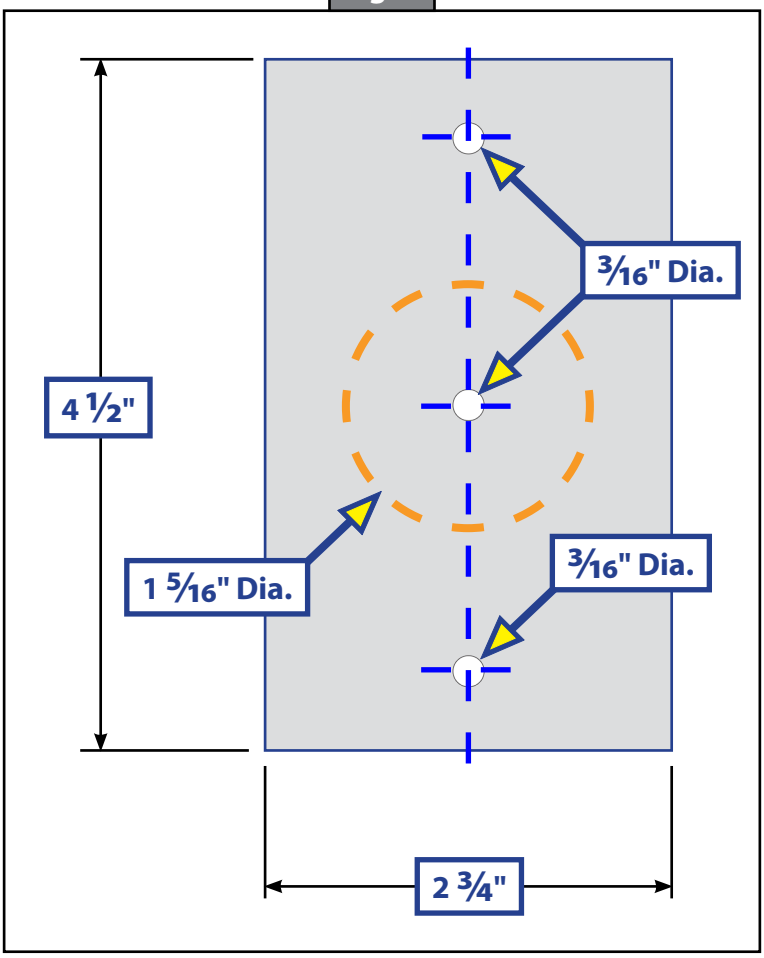
Fig. 1



1. Locate an area within the unit where the internal prep plate (Fig. 1A) can best be mounted.

NOTE: Keep in mind when installing the internal prep plate that the future install of the Hotspot system will need to be installed on a flat surface area and be located within 12" of the internal prep plate.

Fig. 2



2. If desired, create a template out of durable material, and similar to the dimensions specified in figure 2, for the installation location of the internal prep plate.

NOTE: Dimensions subject to change.

3. Place the internal prep plate template flat and level against the designated mounting location to:

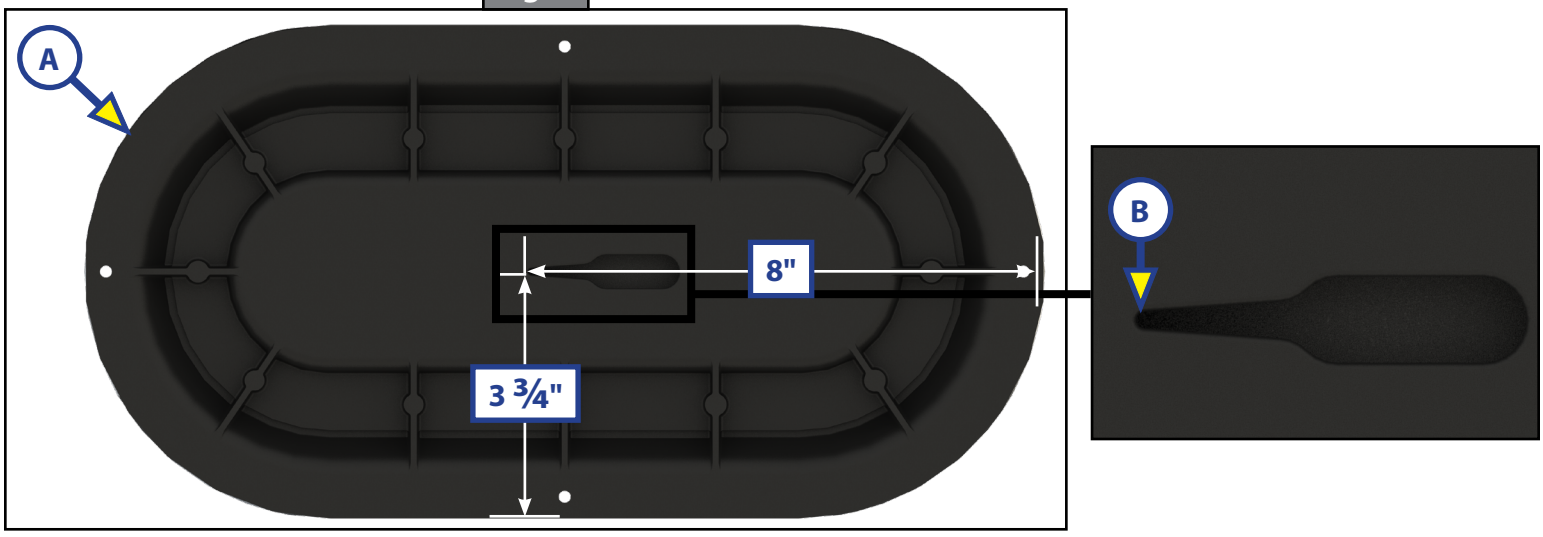
- **A.** Mark the center of the three 3/16" diameter holes (Fig. 2).
- **B.** Set the drill template aside.
- **C.** Drill one 1 5/16" diameter access hole through the center hole (Fig. 2).

4. Loosely place the internal prep plate assembly (Fig. 3) into the access hole.
   - **A.** Connect the electrical wires of the DC jack harness (Fig. 3A) to the power and ground circuitry.
   - **B.** Let the internal prep plate and DC jack harness lay loose across the access hole.

Fig. 3

5. Position the external cellular antenna prep plate (Fig. 4) in the desired mounting location on the roof of the unit, close to the approximate location to where the internal prep plate (Fig. 3) is located.
   - **A.** Make sure the external cellular antenna prep plate can lay flat against the roof's surface.
   - **B.** With a non-permanent marking method, trace an outline along the outer lip of the external cellular antenna prep plate (Fig. 4A) on the roof's surface. Set the external cellular antenna prep plate aside for future installation.
   - **C.** Using the point of the hole (Fig. 4B) where the coaxial cables will rest, as the starting point, measure to the middle right side of the of the external cellular antenna prep plate. The measurement should be approximately 8".
   - **D.** Measure and mark the same distance in step 5C on the trace outline of the roof's surface. Measure from the middle right side in towards the center, mark the location on the roof's surface.
   - **E.** Using the point of the hole (Fig. 4B) where the coaxial cables will rest, as the starting point, measure to the bottom side of the of the external cellular antenna prep plate. The measurement should be approximately 3 3/4".

Fig. 4



F. Measure and mark the same distance in step 5E on the trace outline of the roof's surface. Measure from the bottom side up towards the center, mark the location on the roof's surface.

6. Before any cuts are made to the roof of the unit:

A. Make sure the supplied coaxial cables will reach from the roof antenna's marked location to the internal prep plate.

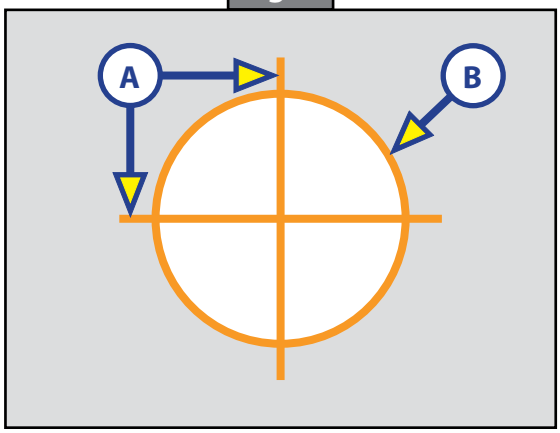
B. Make sure that there are no wires, pipes or tubing underneath the marked areas before cutting and drilling.

7. Using the center point of the intersecting lines (Fig. 4B), use a sharp cutting tool to crosscut the rubber roof 3/4" in each direction (Fig. 5A—orange lines).

A. Peel the corners of the rubber roof back.

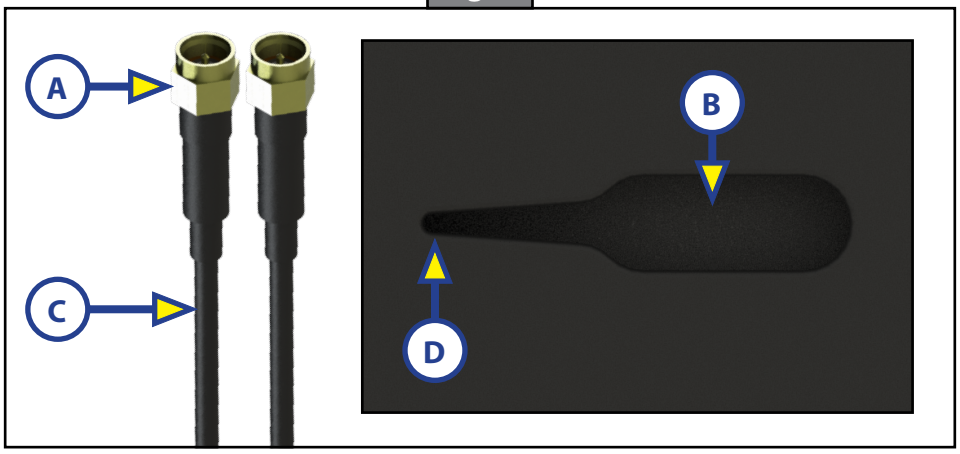
B. Drill a 1/2" inch hole (Fig. 5B—orange circle) at the center of the cuts. This is the cellular antenna coaxial cable access hole for passing the cables through the unit to the internal prep plate.

Fig. 5



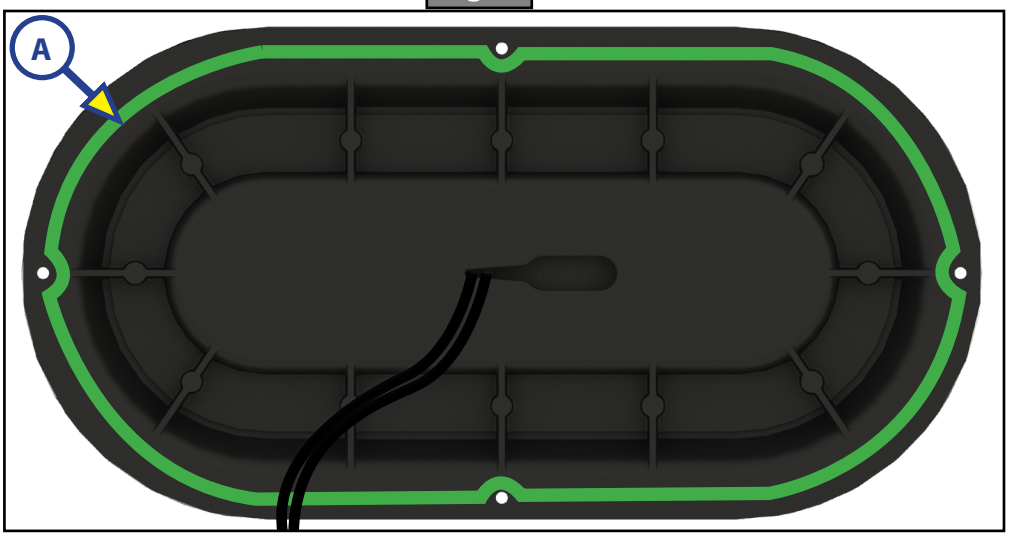
8. Place one end of each coaxial cable (Fig. 6A) to the hole of the external cellular antenna prep plate (Fig. 6B) and slide the wires (Fig. 6C) into the far end of the slot area (Fig. 6D) to keep the wires in place.

Fig. 6



9. Apply all-weather silicone sealant (Fig. 7A—green line) to the underside of the external cellular antenna prep plate, around the entire outer lip. Do not leave any gaps in the sealant to ensure a good seal to the mounting surface.

Fig. 7



10. Thread the opposite ends of the cables through the drilled access hole in the roof. Carefully guide the coaxial cables through the hole as the external cellular antenna prep plate is gently placed onto the roof.

11. After the external cellular antenna prep plate is in place, use four #8 x ¾″ stainless steel Phillips pan head screws (Fig. 8A) to secure the external cellular antenna prep plate to the roof. Do not over-tighten the screws.

NOTE: The silicone sealant will spread out slightly as the tightening of the screws draw down the external cellular antenna prep plate.

12. An additional, continuous bead of all-weather silicone sealant should be placed around the outer lip of the external cellular antenna prep plate (Fig. 9A—green line) and over the four mounting screws to form a watertight seal. Allow silicone sealant to dry completely.

NOTE: **DO NOT** place silicone sealant on the top removeable lid or screws (Fig. 9B) of the external cellular antenna prep plate. The gasket underneath the lid of the external cellular antenna prep plate effectively makes the external cellular antenna prep plate waterproof and ready for easy future installation of the external cellular antenna.

Fig. 8

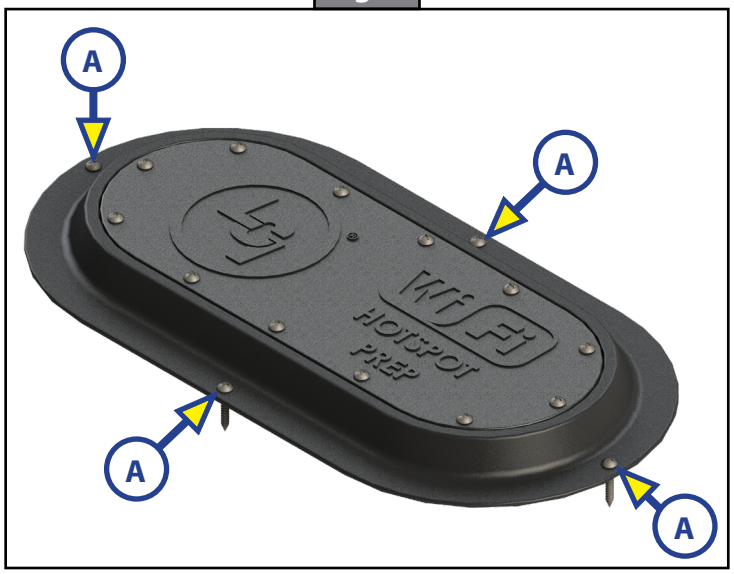
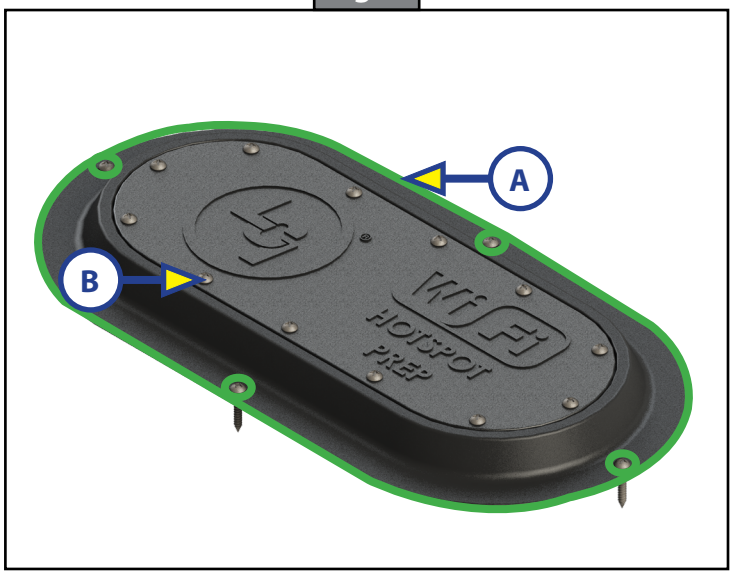
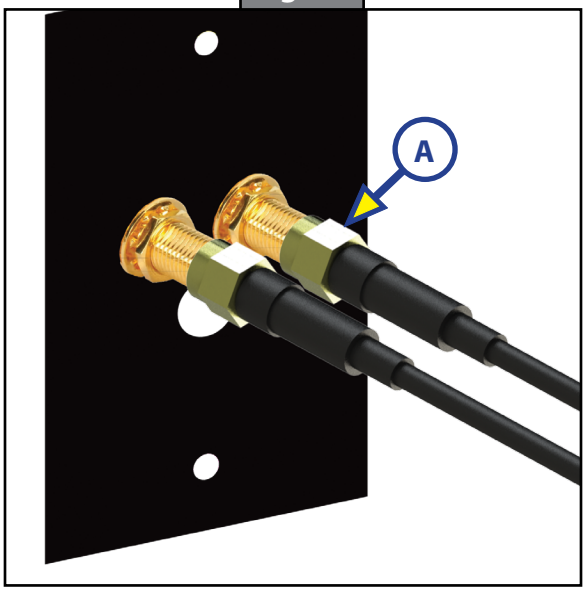


Fig. 9



13. Feed the two cellular antenna coaxial cables through the unit and into the internal prep plate access hole.
14. Attach each coaxial cable to a coaxial bulkhead connector located on the back of the internal prep plate (Fig. 10A).

Fig. 10



Installed DC Jack Harness not shown for clarity.

15. Place any excess coaxial cable into the area behind the internal prep plate. Secure excess cabling with strain reliefs.
16. Place the internal prep plate flush against the wall, taking care to align the plate's two mounting holes with the previously marked screw locations.
17. Install two #8 x ¾" stainless steel Phillips pan head screws (Fig. 11A) to secure the internal prep plate to the wall.

Fig. 11

Notes

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Please recycle all obsolete materials.

For all concerns or questions, please contact
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