



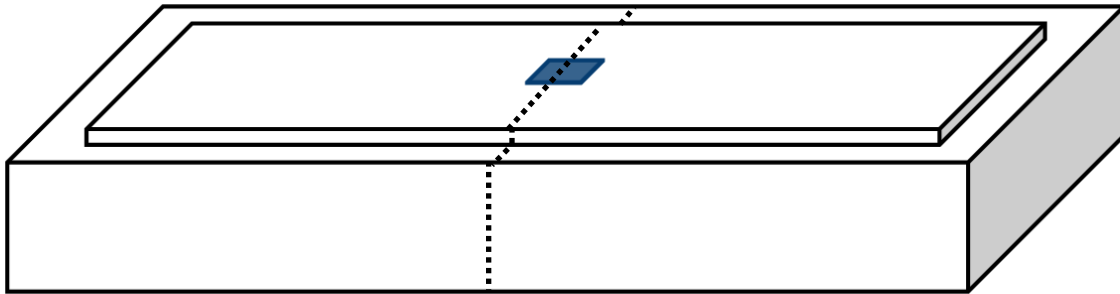
# The Energy Guardian® Pull-down Ladder Cover Installation Instructions



**Models: PS1, PS2, PT1 & PT2**

## COMPONENT LIST:

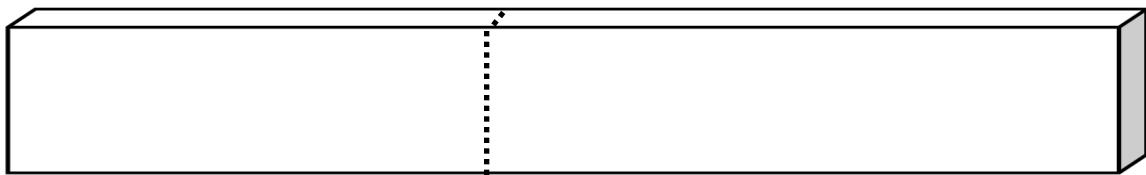
Please check that all components are included and not damaged by shipping. If you have missing or damaged components, STOP and call Customer Service at 1-877-377-4674 before returning the kit.



**1. LID**

PS1 & PT1 Models have ONE LID

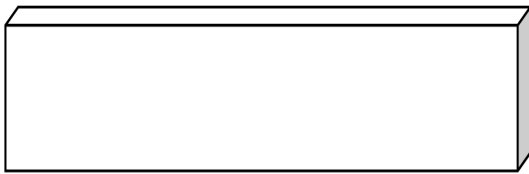
PS2 & PT2 Models have TWO LID HALVES



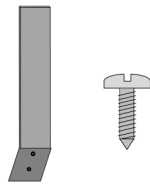
**2. LONG FRAME SECTIONS**

PS1 & PT1 Models have TWO 61" Sections

PS2 & PT2 Models have FOUR 30.5" Sections



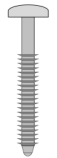
**3. SHORT FRAME SECTION  
(x2)**



**4. L-BRACKET (x2)  
&  
SCREWS (x4)**



**5. HANDLE  
(x3)**

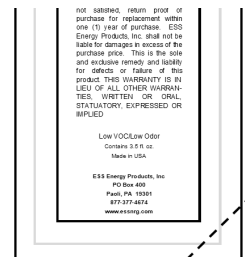


**6. PIN (x6)**

## 7. ADHESIVE



The Energy Guardian® Speed ADHESIVE is essential for bonding components together. If ADHESIVE is included, cut a small corner off the **bottom** of the pouch and apply where needed. Apply in a **thin bead** or in a **spot the size of a nickel** for maximum adhesion. Set time is approximately 20 minutes. Keep at room temperature prior to use (70°F is ideal). ADHESIVE may be also sold separately.



**Cut small corner off pouch to create this bead diameter:**



# The Energy Guardian® Pulldown Ladder Cover Installation Instructions



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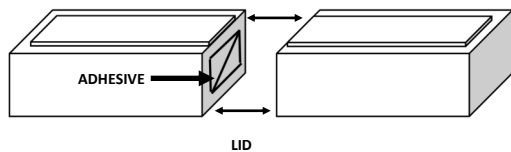


Glue Pattern

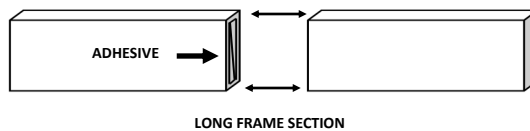
## LID and FRAME ASSEMBLY (PS2 and PT2 Models with 2-piece LIDS)

NOTE: If your kit has a one-piece lid (PS1 and PT1 models) skip to **HANDLE INSTALLATION** section below

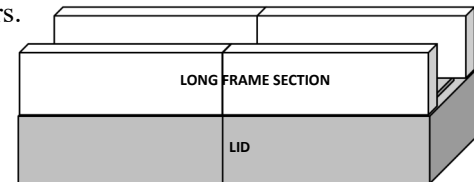
1. Lay two LID components and four LONG FRAME SECTIONS on a flat surface
2. Utilizing Glue Pattern apply ADHESIVE to inside of one LID half, where it meets with other LID half allowing lips to align properly (See Picture #1)
3. Utilizing Glue Pattern, apply ADHESIVE to the end of a 30.5" LONG FRAME SECTION and join (See Picture #2) so ends are flush with each other. This will create a 61" LONG FRAME SECTION. Repeat with remaining LONG FRAME SECTIONS
4. Place LONG FRAME SECTIONS on outer sides of top of LID, using LID as a template to ensure LID and LONG FRAME SECTIONS are flush (See Picture #3)
5. Make sure pieces are tight together and aligned squarely. Let ADHESIVE cure for 3 hours.



Picture #1



Picture #2



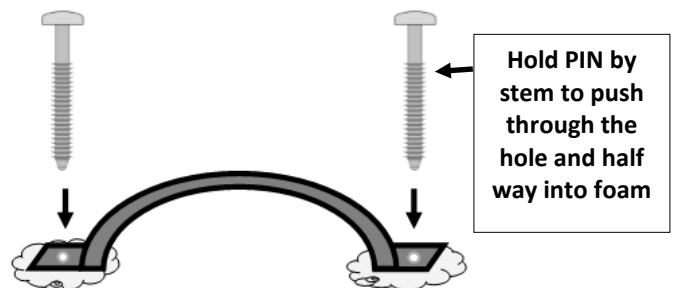
Picture #3

## HANDLE INSTALLATION

1. Apply ADHESIVE to flanges of HANDLE (See Picture #4)
2. Apply two HANDLES to the lip of the LID, shoulder width apart. (See Picture #5)
3. Insert PIN through pre-drilled holes. Hold PIN by the stem and insert at least halfway into hole and foam to avoid bending. Once inserted into foam, push from head of PIN until fully seated (See Picture #6)
4. Apply HANDLE to remaining SHORT FRAME SECTION (shown darker to emphasize HANDLE assembly) This is the REMOVABLE FRAME SECTION (See Picture #7)

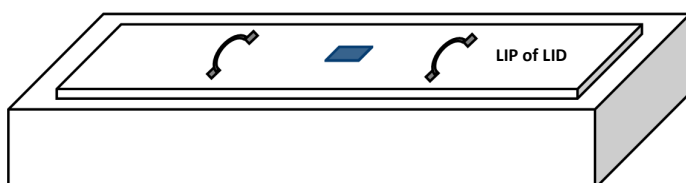


Picture #4

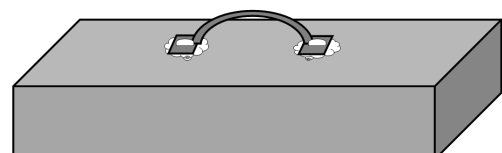


Picture #6

Hold PIN by stem to push through the hole and half way into foam



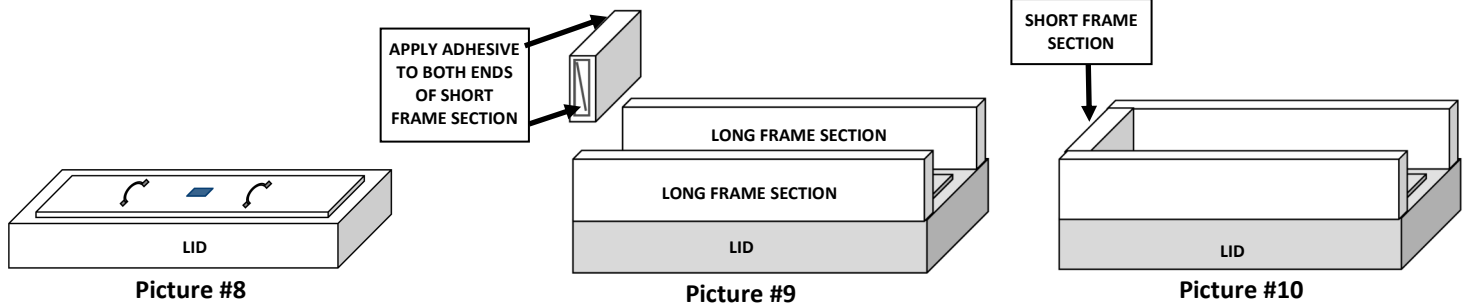
Picture #5



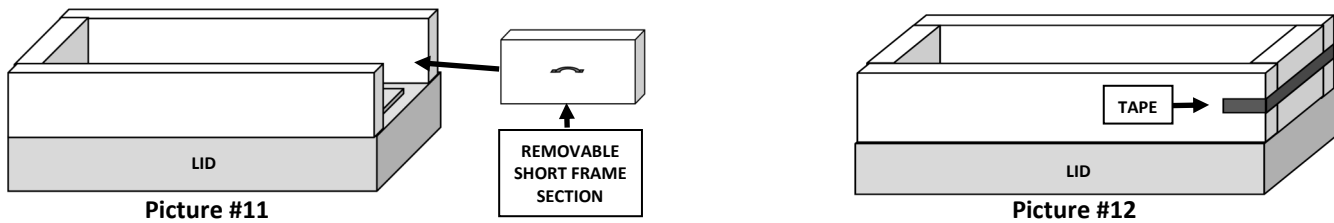
Picture #7

## FRAME ASSEMBLY

1. Place LID down with lip of LID facing up. Label and HANDLES will be facing you (See Picture #8)
2. Using LID as template, place 2 LONG FRAME SECTIONS on the LID.
3. Utilizing Glue Pattern (see Picture #9), apply adhesive to both ends of the SHORT FRAME SECTION without the HANDLE
4. Using LID as template, place SHORT FRAME SECTION without the HANDLE between ends of LONG FRAME SECTION to form "U" Shape for FRAME (See Picture #10)



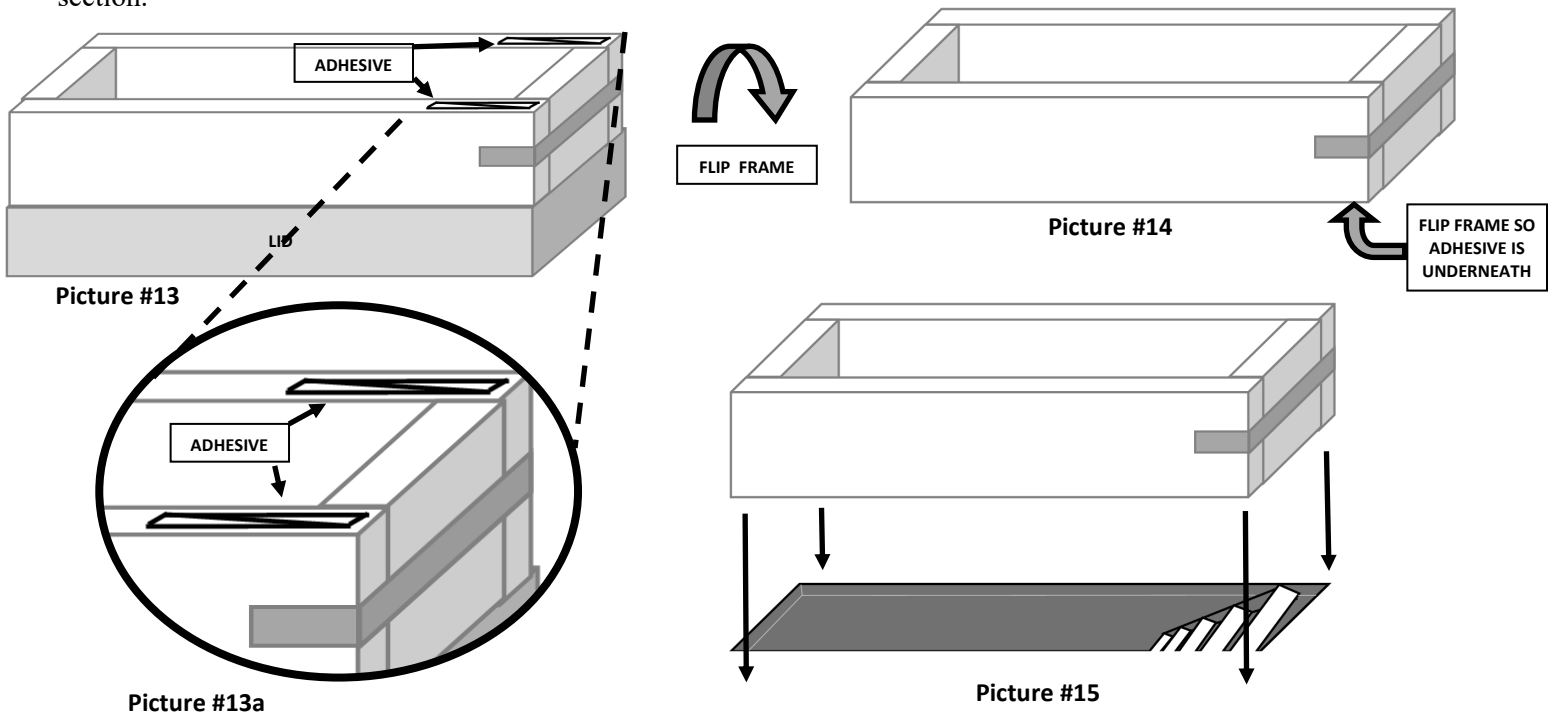
5. To ensure that FRAME cures in proper alignment, place REMOVABLE SHORT FRAME SECTION (with HANDLE), at open end of FRAME to complete rectangular shape of FRAME. DO NOT GLUE THIS SECTION! (See Picture #11)
6. Wrap tape around end to hold REMOVABLE SHORT FRAME SECTION in place while ADHESIVE cures (See Picture #12)



## FRAME INSTALLATION

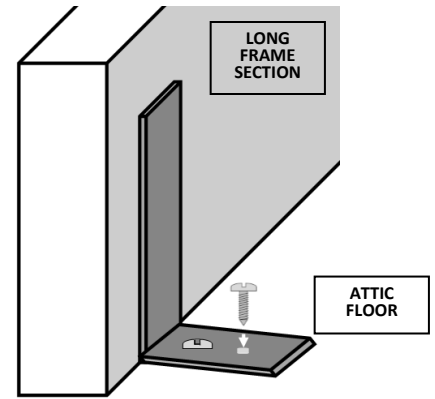
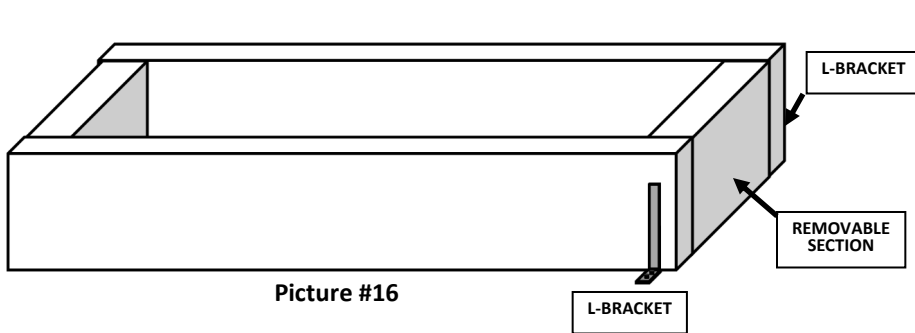
After 3 hours, the frame should be ready for installation.

1. Apply Adhesive to end of both LONG FRAME SECTIONS only at end where REMOVABLE SHORT FRAME SECTION is located (See Picture #13 and #13a). Utilize Glue Pattern.
2. Remove FRAME from LID and carefully flip FRAME over so ADHESIVE is facing the floor/deck of attic (See Picture #14).
3. Carefully place FRAME around attic opening so ADHESIVE makes contact with the attic floor and the **REMOVABLE SHORT FRAME SECTION (taped end) is located at top of ladder where you step into the attic** (See Picture #15).
4. For Trussed Roof Construction (PT1 and PT2 Kits), Install FRAME in between roof trusses (Shown on next page)
5. NOTE: If gaps are present between bottom of FRAME and attic decking, this is addressed in **FINISHING INSTALLATION** section.



## L-BRACKET ASSEMBLY

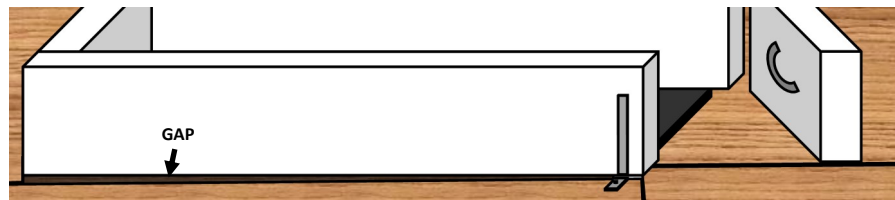
1. To ensure a snug fit of REMOVABLE SHORT FRAME SECTION, install L-BRACKET on outer side of both LONG FRAME SECTIONS even with REMOVABLE SHORT FRAME SECTION (See Picture #16)
2. Using SCREWS, secure L-BRACKET to floor of attic so vertical side of L-BRACKET is snug against the LONG FRAME SECTION (See Picture #17)
3. REMOVABLE SHORT FRAME SECTION should now fit snugly between the LONG FRAME SECTIONS
4. USE HANDLE TO REMOVE SHORT FRAME SECTION WHEN ACCESSING ATTIC



## FINISHING INSTALLATION

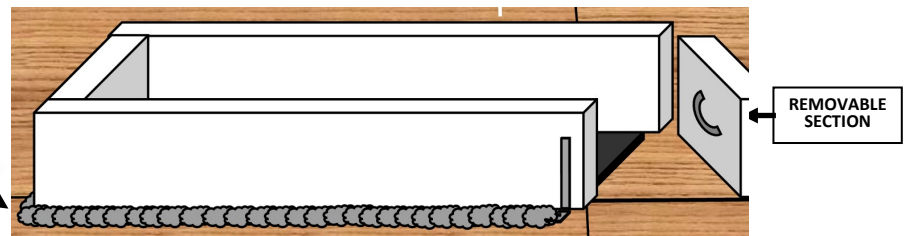
1. Once the L-Brackets are installed, remove the tape holding the REMOVABLE SHORT FRAME SECTION in place
2. If gaps exist between bottom of FRAME and attic floor, apply a generous bead of expanding (one-part) foam or caulk around the base of the FRAME, filling in gaps. DO NOT APPLY FOAM OR CAULK TO REMOVABLE SIDE (See Pictures #18 & 19)
3. Apply generous bead of expanding (one-part) foam or caulk if gaps exist inside FRAME, where attic decking, wooden frame and The Energy Guardian® FRAME meet to ensure air seal (See Pictures #20)& 21)
4. When installing the LID, the label and handles should face towards pulldown ladder, not towards attic
5. Use shims to level the FRAME if necessary due to very uneven attic flooring or decking (Foam will handle most gaps)
6. Use caution when removing the LID to enter attic. Make sure it is off to the side and secure so it stays put until you replace it on your way down the attic stairs
7. Make sure the LID is seated properly - Make sure lip of LID is seated inside frame to maintain the proper air seal
8. Always use caution when entering or exiting your attic
9. If you encounter a situation installing your Energy Guardian Pulldown Ladder Cover where you need assistance, please call us between 9:00-4:00 EST at 877-377-4674

If gaps exist between kit and uneven attic deck:



Use Expanding Foam to fill gaps around the outside of Frame.

DO NOT FOAM REMOVABLE SECTION



If gaps exist between the attic decking and wooden attic opening frame INSIDE The Energy Guardian® frame

Use Expanding Foam to fill gaps

DO NOT FOAM REMOVABLE SECTION!

