

# Release Film Remover Uncrating-Crating

V01.02  
22 AUGUST 2022

## Overview

This document provides the uncrating and crating instructions for the Release Film Remover, and includes the following sections:

1. Required Tools and Supplies
2. Safety
3. Uncrating Instructions
4. Crating Instructions

## 1 Required Tools and Supplies

- 1.1 The following tables list the required tools and supplies needed to uncrate or crate the Release Film Remover.

| UNCRATING Tools | Additional Information                            |
|-----------------|---------------------------------------------------|
| Claw Hammer     |                                                   |
| 9/16" wrench    | You can also use a power drill with 9/16" socket. |

| CRATING Tools and Supplies | Additional Information                            |
|----------------------------|---------------------------------------------------|
| Release Film Remover Crate |                                                   |
| 9/16" wrench               | You can also use a power drill with 9/16" socket. |
| Claw Hammer                |                                                   |

## 2 Safety

- 2.1 The Release Film Remover weighs approximately 90 pounds (41 Kg) and requires 2 people to lift it.
- 2.2 The table where you will place the Release Film Remover should be secured and/or anchored to the floor.
- 2.3 Carbon recommends wearing steel-toed shoes when moving heavy equipment.
- 2.4 Be mindful of pinch points and wear gloves.

## 3 Uncrating Instructions

- 3.1 Carbon ships the Release Film Remover in a custom crate. The following uncrating instructions describe how to open the crate without damaging the crate or the Release Film Remover inside.
- 3.2 **Contact Carbon support:**  
If you run into a problem at any point while uncrating the Release Film Remover, stop and contact Carbon support.
- 3.3 **Storing the Crate**
  - 3.3.1 The shipping crate is intended to be reused for any future Release Film Remover shipping. You will need the crate to return your Release Film Remover at the end of your subscription, or if you ever need to relocate your Release Film Remover.
  - 3.3.2 As you follow these instructions, set aside the hardware so it can be saved with the crate. If you are unable to store these items, you will need to purchase them from Carbon when you need to re-crate your Release Film Remover.

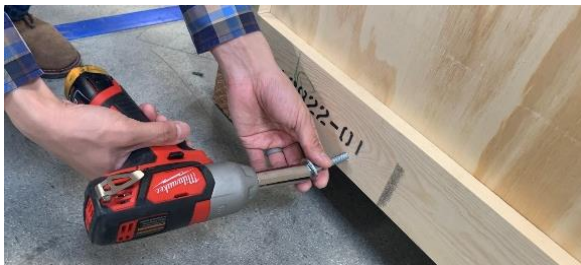
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- 3.4 Start with the crate on the floor with ample working space for two people to move around the crate.



- 3.5 Use a 9/16 wrench (or power drill and a 9/16" socket) to remove the eight lag screws located around the bottom of the crate.



Remove the 8 lag screws.

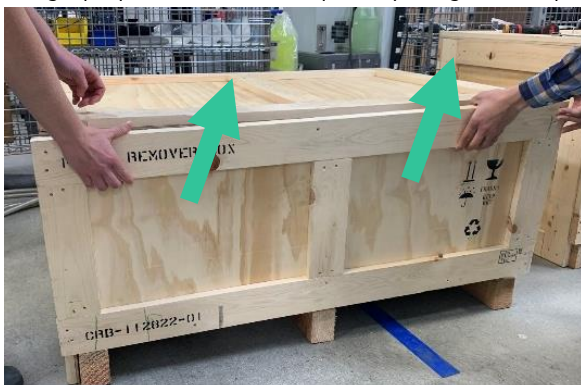
- 3.6 Use the claw of a hammer to pry off the six metal corner clips, as shown in the pictures below.



Remove the 6 six metal corner clips.



- 3.7 Using 2 people, remove the front panel by lifting the front panel away from the crate.



Remove the front panel to expose the Release Film Remover inside.

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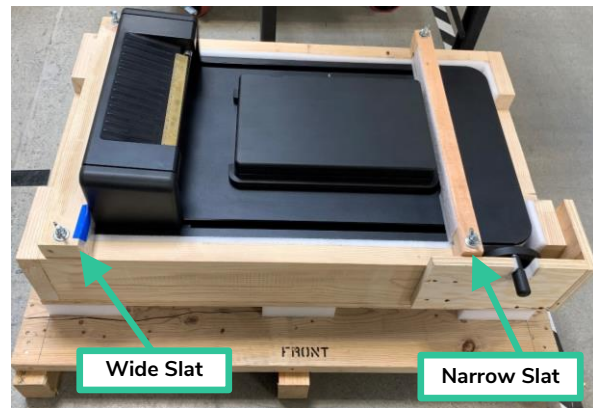
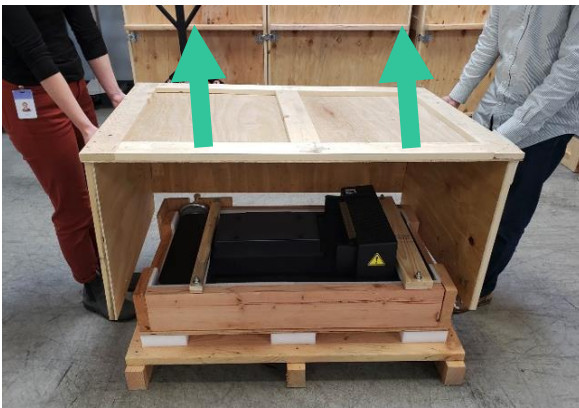
- 3.8 On the inside of the front panel is an interior pocket containing a Blade Replacement kit. Remove the kit and store it in a safe place for later use.



Remove the plastic bag from inside the front panel.

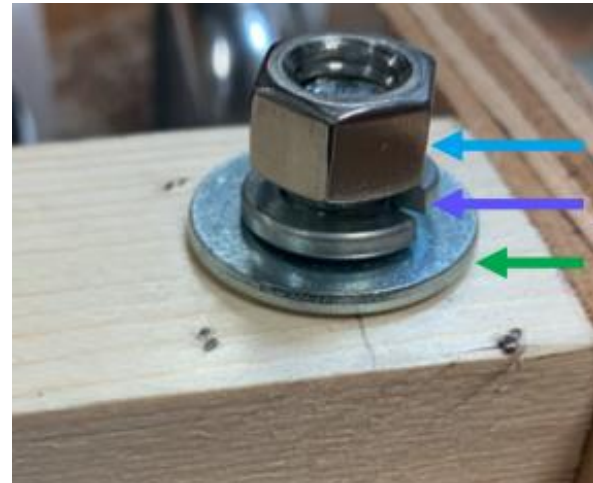


- 3.9 Using 2 people, remove the crate shell by lifting upwards.



Remove the crate shell, leaving the Release Film Remover held in place with two wood slats.

- 3.10 The wood slats are held in place with either hex nuts or wing nuts. In either case, remove the nuts and the two washers on each of the four threaded studs, then remove the two wood slats. (If you are going to use this crate to ship a Release Film Remover, set aside the slats, nuts, and washers, as you will need them to secure your unit in the crate.)



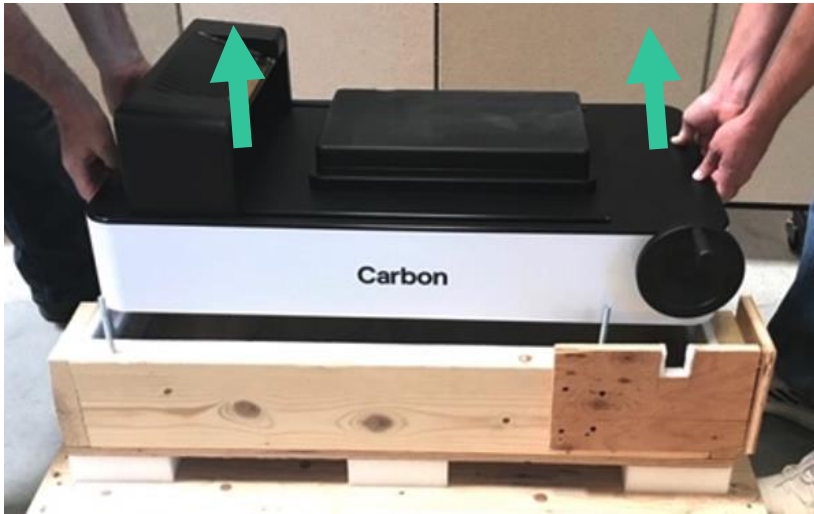
After removing either the [hex nut](#) or wing nut, remove the [lock washer](#) and [washer](#).

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- 3.11 Using 2 people, lift the Release Film Remover from the crate onto your workstation. Make sure that your workstation is secured and/or anchored to the floor.

**Caution!** The Release Film Remover weighs 90 pounds (41 Kg).



Remove the Release Film Remover from the crate.

- 3.12 Your Release Film Remover is now ready for use.



- 3.13 **Reassemble and store the crate.**

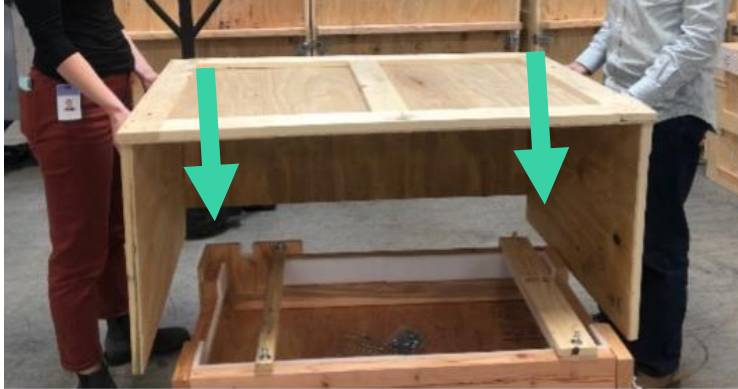
- 3.13.1 Gather the crate and hardware (brackets, lag screws, nuts and washers,) that you removed while uncrating the Release Film Remover.
- 3.13.2 Place the hardware into the crate base and reattach the two wood slats using the four nuts, washers, and lock washers.



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- 3.13.3 Using two people, place the crate shell onto the crate base



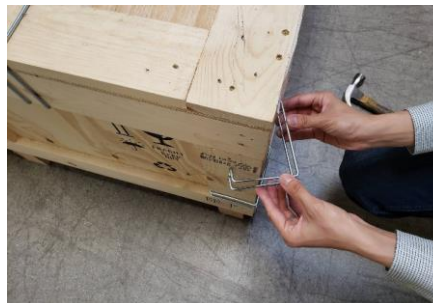
- 3.13.4 Line up the holes on the bottom of the crate shell with the holes on the crate base and use a 9/16" wrench (or power drill with a 9/16" socket) to attach the eight lag screws around the bottom of the crate shell.



- 3.13.5 Using 2 people, place the crate front panel on the crate. Hold the front panel in place until it is attached using the metal clips in the next step.



- 3.13.6 Use the six metal corner clips and snap them in place to secure the crate and front panel (2 along each side and 2 at the top). Hook the solid end of the clip onto the crate shell and push the clip until the split end snaps into place onto the front panel, as shown in the pictures below.



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The green circles show the six clips in place.

3.13.7 Store the crate for future use.

3.14 This completes the Release Film Remover uncrating instructions.

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### 4 Crating Instructions

- 4.1 Carbon uses a custom crate for the Release Film Remover. The following crating instructions describe how to open the empty crate and securely pack the Release Film Remover without damaging the crate or the product inside. Typically, you will be using these instructions to return a Release Film Remover to Carbon, or to ship it to a different location.
- 4.2 **Contact Carbon support:**  
If you run into a problem at any point while uncrating the Release Film Remover, stop and contact Carbon support.
- 4.3 **Before you Start Crating:**
  - 4.3.1 Locate the crate and hardware (wood slats, and nuts and washers). Typically, the hardware will be inside the crate. If you are missing anything, contact Carbon Support to obtain what you need to properly crate the product.
  - 4.3.2 Identify an appropriate work area on the floor with ample space for two people to move around the crate.
  - 4.3.3 You will need to set aside the hardware that you remove when you open the crate, so you can reuse it to secure the crate with your Release Film Remover inside.
  - 4.3.4 Move the crate to the working area.

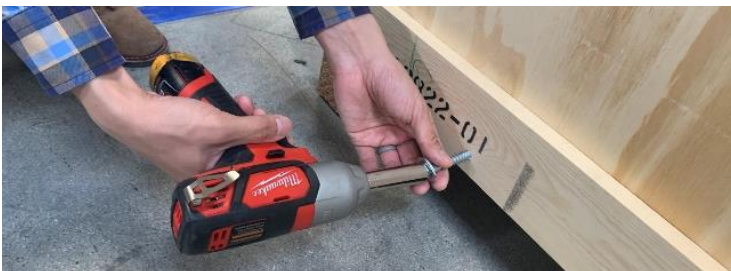


#### 4.4 Open the crate.

- 4.4.1 If you have received an empty crate, then there will be two nails located at the bottom center of the short sides of the crate (one nail is on each side). Use the claw of the hammer to pull out the nail located at the bottom center of each short side of the crate, as shown in the pictures below. (You can discard these nails.)



- 4.4.2 Use a 9/16" wrench (or power drill with a 9/16" socket) to remove the eight lag screws located around the bottom of the crate.



Remove the 8 lag screws.

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- 4.4.3 Use the claw of a hammer to pry off the six metal corner clips from the front panel.



Remove the 6 six metal corner clips.

- 4.4.4 Using 2 people, remove the front panel by lifting it away from the crate.



- 4.4.5 Using two people, remove the crate shell from the crate base. Typically, the wood slats will be inside the crate base.



- 4.4.6 Remove any hardware from the crate.



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- 4.4.7 Remove the two wood slats. The wood slats are held in place with either 9/16" hex nuts or wing nuts. In either case, remove the nuts and the two washers on each of the four threaded studs, then remove the two wood slats.



After removing either the **hex nut** or wing nut, remove the **lock washer** and **washer**.

- 4.4.8 The crate base is ready to receive the Release Film Remover.



- 4.5 Load the Release Film Remover onto the crate base.

- 4.5.1 Rotate the handle of the Release Film Remover counterclockwise until the blade carriage is in the far-left position (home position). When the blade carriage is in the home position, the handle should be in the upright position. Leave the handle in this position to properly fit into the crate base.

**Note:** You can also choose to remove the blade.



Handle in the  
upright position

Turning this handle counterclockwise moves the blade carriage to the home position, where it is locked and safe for handling.



Blade

Blade Guard

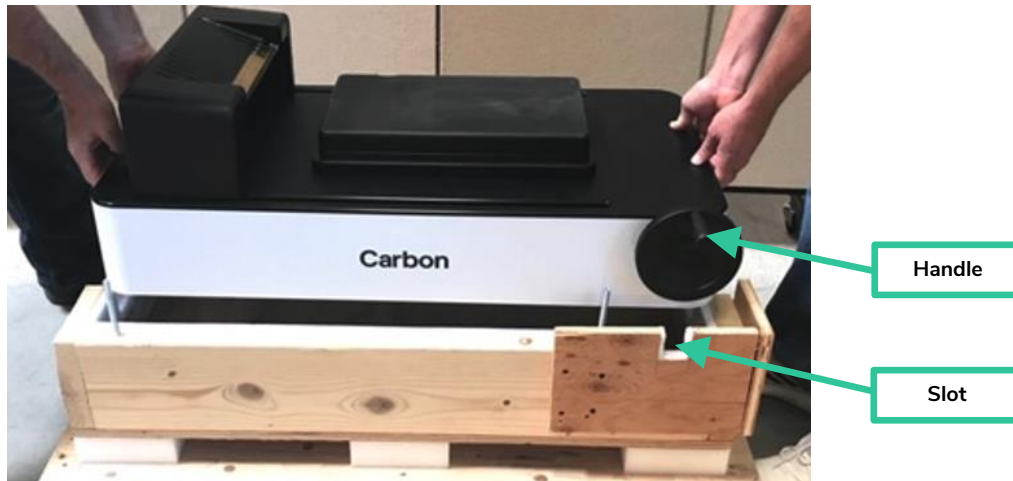
The retracted position of the sharp blade.

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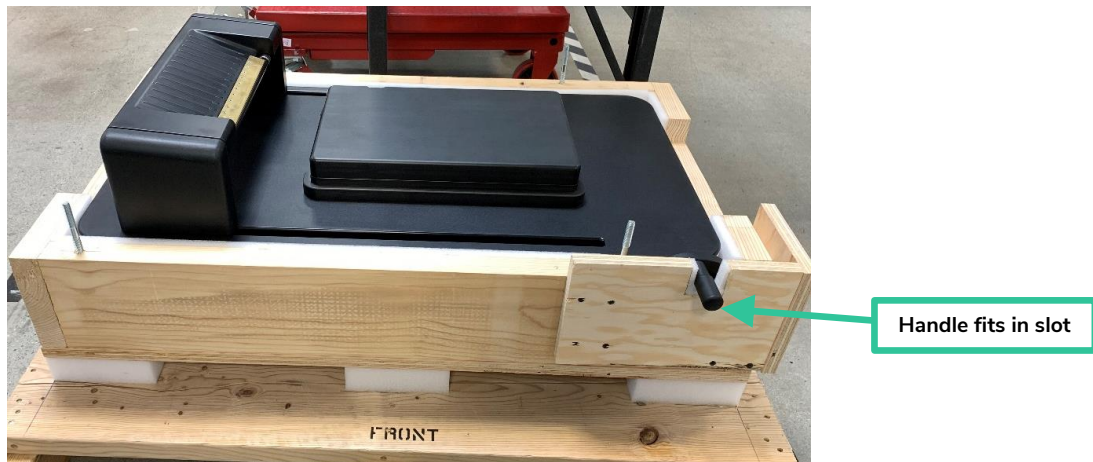
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- 4.5.2 Using 2 people, place the Release Film Remover carefully into the crate base. The handle must be in the upright position to fit into the slot as shown in the picture below.

**Caution!** The Release Film Remover weighs approximately 90 pounds (41Kg).

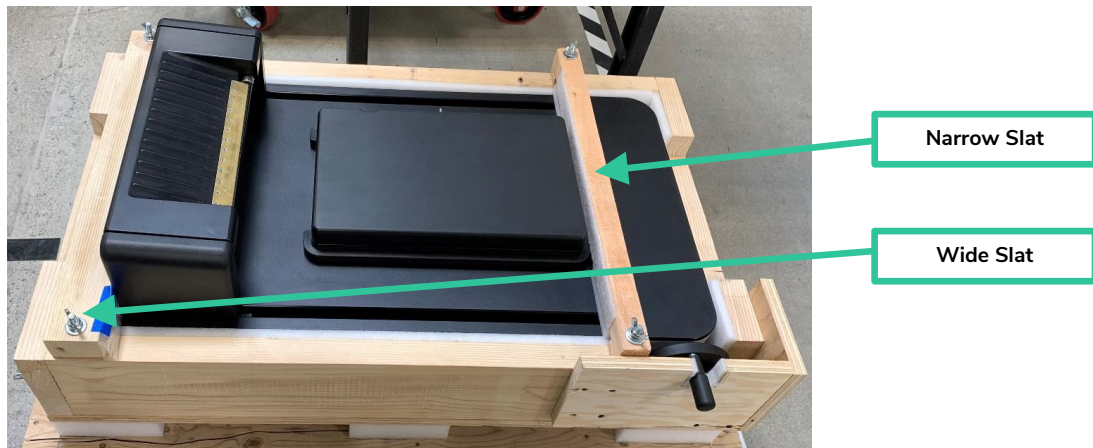


Ensure that the handle is in the upright position while lowering the remover into the cart.



The handle must sit in the slot as shown.

- 4.5.3 Place the 2 wood slats onto the threaded studs. Please note that the wider slat must be placed behind the blade and the narrow slat is placed near the handle. In the proper position, the protective foam side of the wood slats are against the release film remover to protect the paint.



It is important to use the correct slats in the correct position.

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- 4.5.4 Place the two washers and the provided 9/16 hex nut or wing nut onto the four threaded studs as shown below. Securely tighten the 9/16 hex nut using your wrench, or if you are provided wing nuts, tighten by hand.



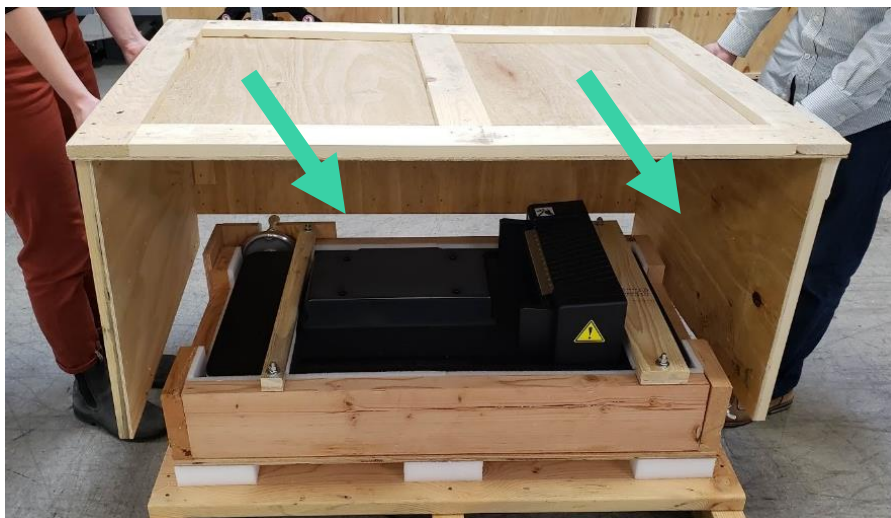
Place the **washer** first, then the **lock washer**, and finally tighten either the **hex nut** or wing nut.



Use a 9/16" wrench to securely tighten the 4 hex nuts on the slats.

### 4.6 Assemble the crate.

- 4.6.1 Using 2 people, place the crate shell on the crate base.



Placing the crate top onto the crate base.

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- 4.6.2 Use a wrench to screw the 8 lag screws (originally supplied with the crate) into the holes located along the bottom of the crate (3 on the front and back each, and one on either side). If the pre-existing holes are stripped or otherwise unusable, then redrill pilot holes next to the existing holes, and screw the lag screws directly into the crate.



- 4.6.3 Using 2 people, place the crate front panel on the crate. Hold the front panel in place until it is attached using the metal clips in the next step.



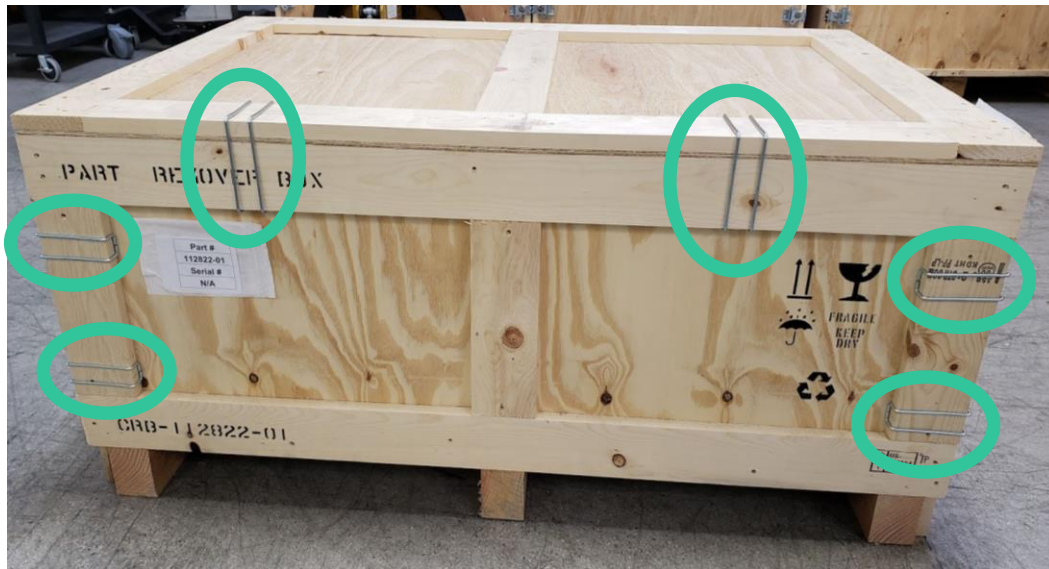
- 4.6.4 Use the provided six metal corner clips and snap them in place to secure the crate and front panel (2 along each side and 2 at the top).

**Note:** The pictures below show how to hook the solid end of the clip onto the crate shell, and push the clip until the split end snaps into place onto the front panel.



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The green circles show the six clips in place.

4.7 This completes the Release Film Remover crating instructions.