

# S O V D A

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## Receiving, Uncrate & Assembly

For Precision Fill 2.0

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## INTRODUCTION

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Thank you for choosing Sovda for your Specialty Coffee processing needs! This document establishes the details and workflow necessary to simplify the delivery, uncrating, and assembly of your Sovda equipment.

While this document should provide useful information and resources to help you through this process, please contact your Technical Brand Ambassador if you have any questions.

## OVERVIEW

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This document will take you through receiving, uncrating, and assembling the Sovda Precision Fill. The Sovda Site Preparation Guide should be followed, and the Site Preparation Checklist should be completed before receiving your equipment. Once you have completed the uncrating and assembly of your Precision Fill, you will move on to the Precision Fill Commissioning & Training document to get your equipment up and running.

## RECEIVING

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Once your crate has shipped, you should receive shipping updates from your Technical Brand Ambassador or a Logistics Manager. LTL (less than truckload) deliveries tend to have a wide delivery window; ensure you are prepared to meet your delivery driver at any point.

You must ensure you have the following to receive the crate:

1. An open area or loading dock where the crate can be removed from the truck.
2. A flat, level path of travel between the unloading area and the assembly area.

3. A forklift or pallet jack to move the crates to the assembly area.

## WHAT YOU WILL NEED

### UNCRATE

- Pry-Bar
- Hammer
- Work Gloves
- Drill/Impact Driver
- Phillips #2 Screwdriver
- 10mm Wrench or Socket

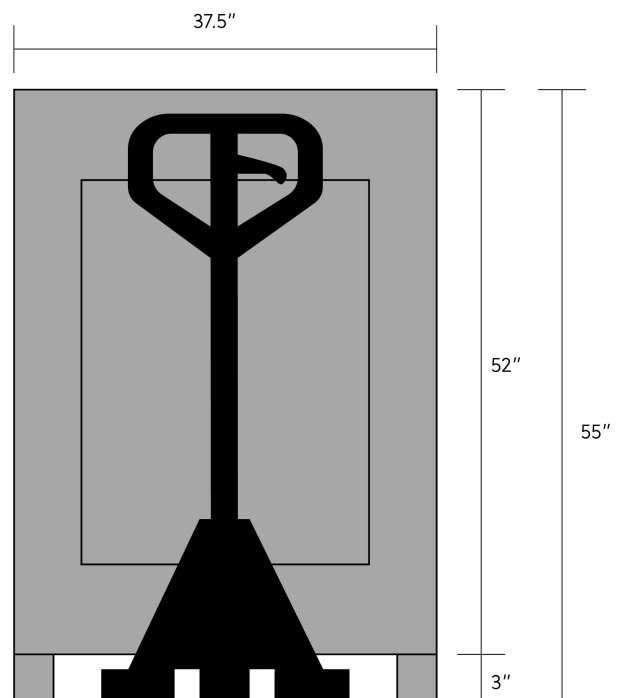
### ASSEMBLY

- 9mm hex wrench
- 5mm hex wrench
- 18mm open-ended wrench (or adjustable wrench)
- One pair of Pliers
- #2 Phillips Screwdriver
- 13mm Wrench or Socket
- 5mm Flex air line Connection Point

## RECEIVING THE CARGO

### 1. Unload from Truck

Ensure you have adequate space both for the delivery truck to park and for the crate to be removed. If you have a loading dock, direct your delivery driver to use the loading dock.



## 2. Transporting Crate to Install Location

Ensure you have a flat, wide path between the unloading location and the desired installation location.

Note: A forklift is recommended for moving the crate, however, a pallet jack can also be used.

## 3. Preparation of Install Location

Ensure you have adequate space to uncrate the machine. We recommend a minimum of 20 square meters/215 square feet of work space dedicated to the uncrate and assembly. You must also have a forklift available on-site or 4 individuals capable of lifting heavy objects

# UNCRATING THE CARGO

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Use a drill to unscrew the screws of the crate. Note 4 hex bolts underneath the crate are bolted into the bottom of the machine. Those hex bolts need to be removed to take the machine out of its crate. After you assemble the base, those bolts can be thrown away. We have packed new hex bolts that can be used to connect the base to the machine body.



## ASSEMBLING THE MACHINE

### 1. Assembling the Base

Use the included M8 70mm bolts with an 8mm Allen key to connect the 3 pieces of the base together:



### 2. Orienting the Main Body

#### A. Orientation

Both the machine and the base have corresponding A/B stickers to ensure correct orientation. Using the included M5 internal hex or 13mm external hex bolts and washers in this order as in the picture to connect the body with the base.

#### B. Positioning the Main Body

First, lay down the base and the Precision Fill on their sides. Connect the base to the body. Then, using a forklift (or 3-4 strong people), lift it so the whole machine rests on its feet.



**C. Remove Internal Supports.**

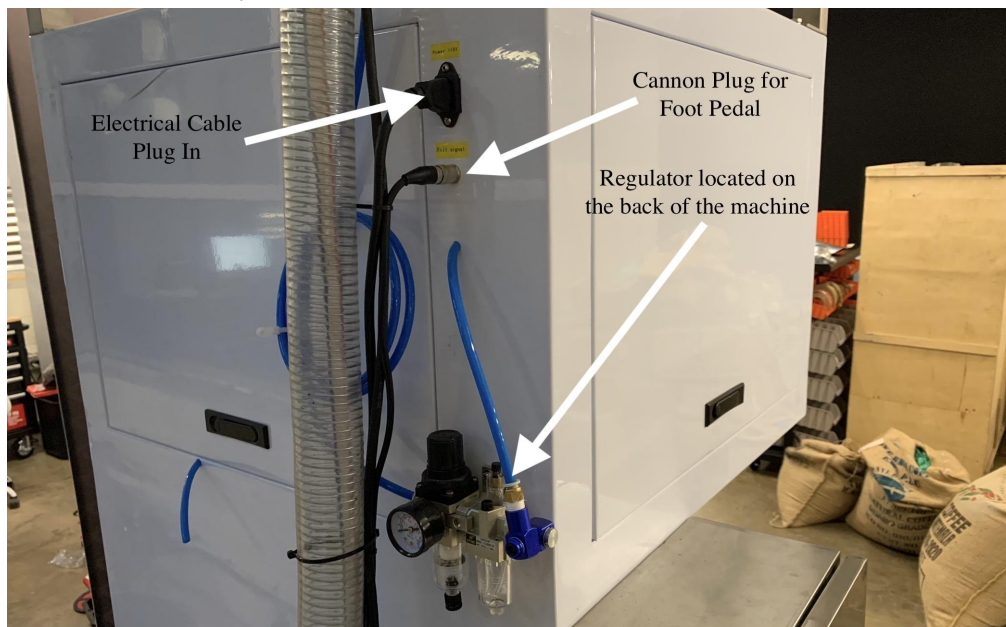
Inside the machine body, a bracket, a piece of all-thread, and wood blocks are used to secure the load cell and the vibrator during shipping. Remove the bracket, all-thread, and wood blocks indicated in the following images:



### 3. Compressed Air

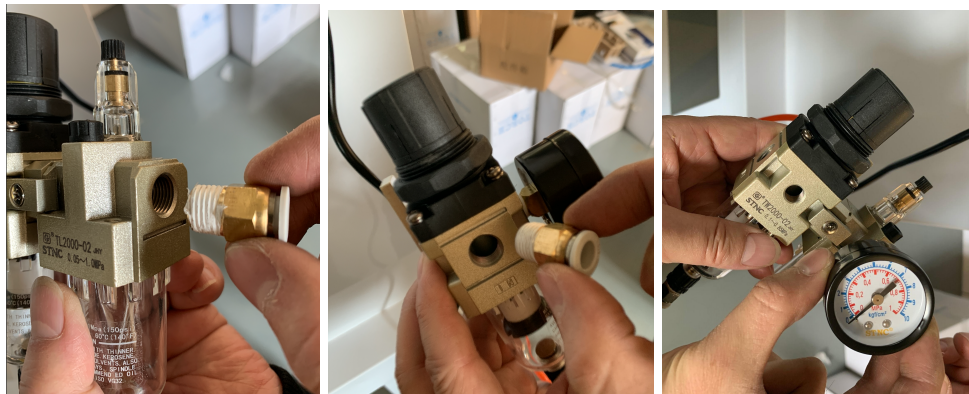
**WARNING:** Ensure the air supply is OFF before performing these steps.

Use the following photo for reference:



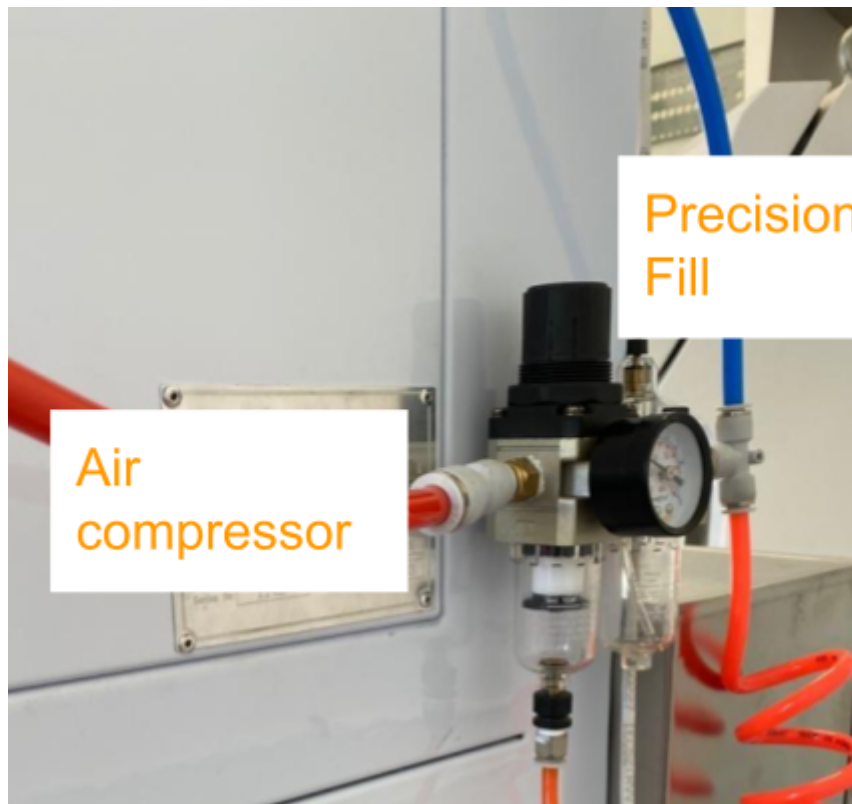
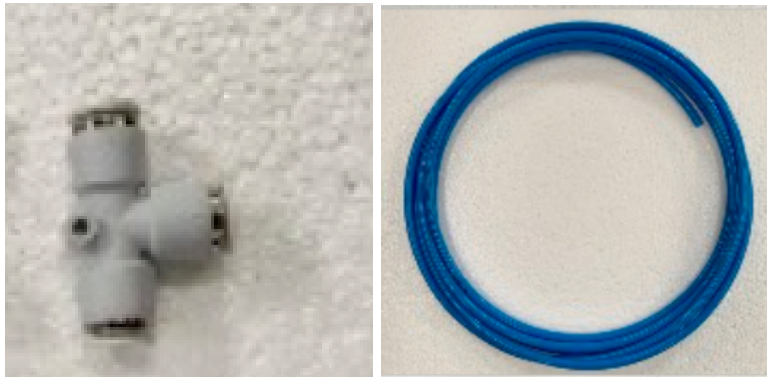
#### 1. Air Regulator.

Use the included hardware to attach the air regulator to the back of the machine.



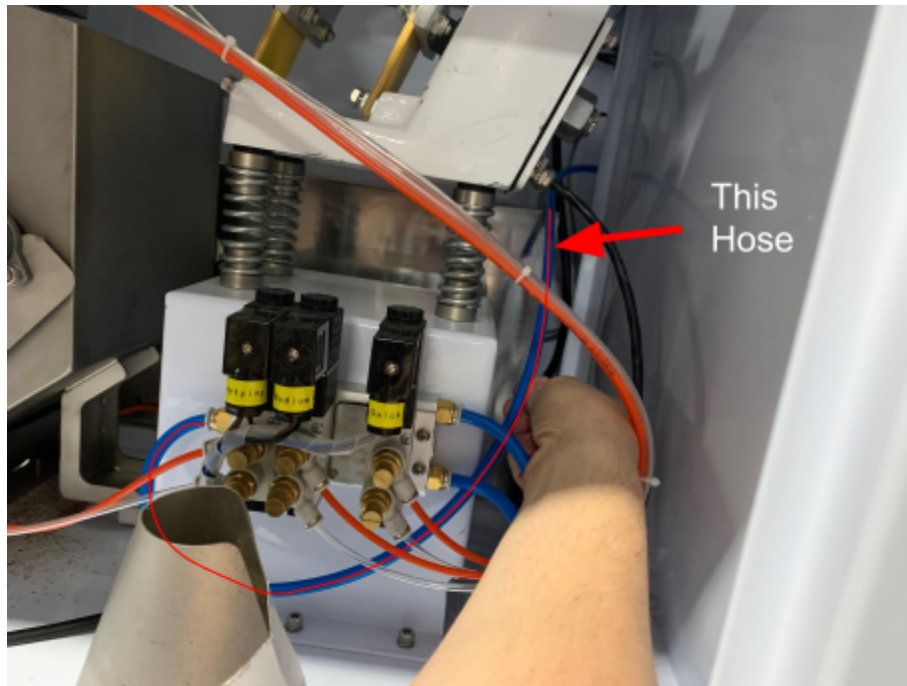
#### 2. Air Lines

- a. Screw in the appropriate shark-bite air line connection to the left side of the air regulator (when facing the air regulator/back of the Precision Fill).
- b. Attach your air supply line to the shark-bite connector you just installed on the left side of the regulator.
- c. Attach the shark-bite T-shaped connector to the right side of the regulator using a small piece cut from the included air line.

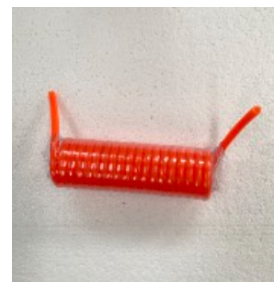


- d. Connect the loose 5mm air line indicated in the following photo from the Precision Fill to one of the T-shaped connector connection points (on the right side of the regulator).

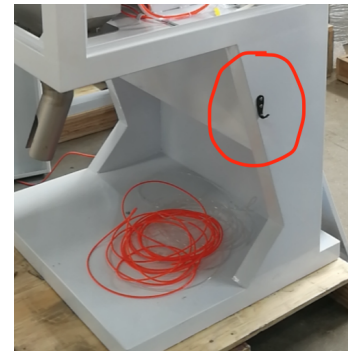
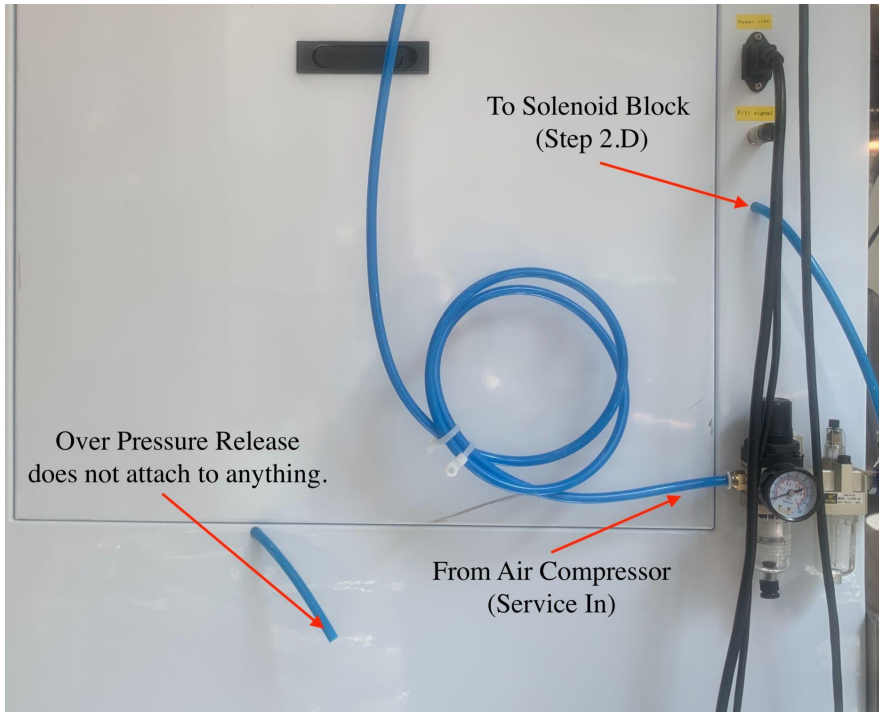




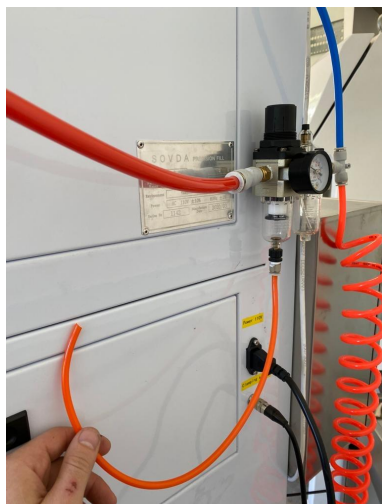
- e. The following line is a pressure release outlet and does not attach to anything:
- f. Attach a 5mm air line to the nipple screwed into the air gun, ensuring the air line is fully seated and straight. This may require some force.



- g. Connect the air gun to the remaining T-shaped connector connection point (on the right side of the regulator).  
 (The hanger on the right side of the machine is for hanging air gun)



- h. Connect the bottom of the air regulator to a pipe for draining water. This connector and air line should be in the kit of materials sent with the machine.



### 3. Electrical & Foot Pedal

- a. Connect the upper outlet to the power cord.
- b. Connect the bottom cannon plug to the foot pedal cord.



4. Ensure the fuse and vibrator control are in the "on" position. The vibrator control should glow red when powered on. The fuse will display red in the viewport when on and green when off.



## CONCLUSION

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Congratulations! You have completed the uncrate and assembly portion of your Precision Fill setup! If you have opted to have a Sovda Technical Brand Ambassador come to your location for an in-person Commissioning & Training, they will complete the remaining commissioning work and train you in person on the equipment.

If you are installing your equipment, please reference the Sovda Precision Fill Commissioning & Training manual with the accompanying video to perform calibration, recipe creation, and operations training on your equipment. If you do not have *the following document*, please contact your Technical Brand Ambassador for the *Precision Fill Commissioning & Training Manual*.

Next Step: [Install the Lift](#)

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Congratulations, you have completed the assembly of your Precision Fill! The next step is to install your lift system onto your machine. Information on this can be found in your To Read First document provided by your TBA or by clicking this [link](#).