

Reseating the LevelSense Grounding Screws

The [LevelSense board](#) regulates the refill rate of the resin in the tank. Proper grounding is critical for accurate LevelSense readings. Two grounding screws on the bottom of the Level Sense board secure the panel to the Z-tower.

Improperly installed grounding screws weaken the grounding and hinder LevelSense's ability to read and regulate resin in the resin tank. Depending on the installation, reseal each screw by either tightening, or loosening and then tightening, the screw.

Use this support guide to safely reseal the LevelSense grounding screws and restore LevelSense board functionality.

Required supplies:

- 1.3mm hex key
- Nitrile gloves
- PEC*PAD contaminant-free wipes

Estimated time: 5 minutes

Preparing the workspace

Prepare the Form 2 and a dust-free workspace for reseating the grounding screws.

STEP 1: UNPLUG THE PRINTER

Unplug the Form 2. Wait at least one minute for the printer to turn off before proceeding.

STEP 2: REMOVE THE BUILD PLATFORM AND RESIN TANK

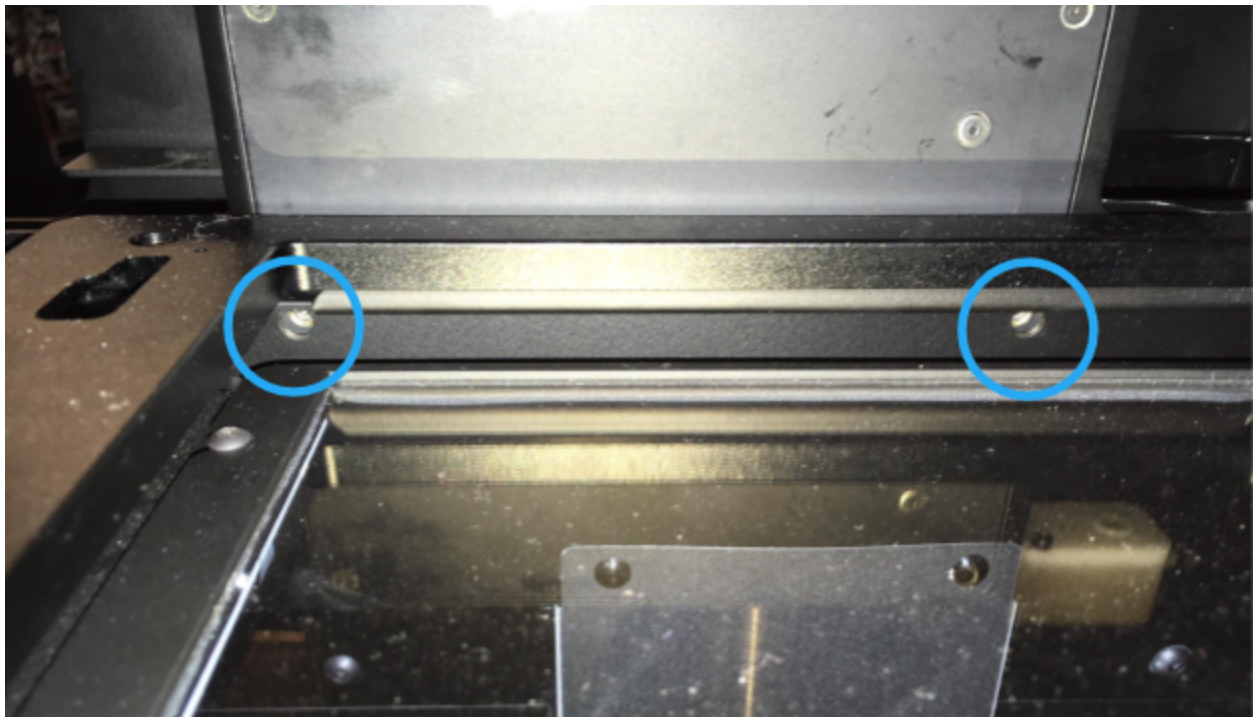
Remove the Build Platform first to avoid dripping resin onto the [Optical Window](#). Remove the Resin Tank. Cover the Resin Tank with the plastic lid, and set aside the covered tank on a clean, level surface.

Reseating the LevelSense grounding screws

Locate the two grounding screws on the bottom of the LevelSense board. Use the 1.3mm hex key to reseat the screws until they are *lightly* finger-tight.

STEP 1: LOCATE THE GROUNDING SCREWS

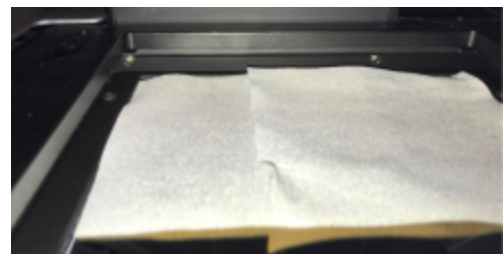
Slide the [Tank Carrier](#) all the way to the left until the two through-holes on the back wall of the Tank Carrier align directly over the two grounding screws on the LevelSense board. The two grounding screws are silver-colored hex screws.



CAUTION: Always wear clean gloves when handling optical surfaces, such as the Optical Window, to avoid contamination. Optical surfaces must be clean for optimal printing results.

STEP 2: PROTECT THE OPTICAL WINDOW

Place two clean PEC*PADs over the Optical Window to protect the optical surface from scratches. Overlap the PEC*PADs to avoid gaps in coverage.



STEP 3: TIGHTEN THE GROUNDING SCREWS

Turn the 1.3mm hex key clockwise to tighten each screw. If a screw is already tight, loosen the screw by a quarter turn counterclockwise before tightening.

Stop tightening each screw once you begin to feel moderate resistance, or an amount of torque similar to screwing or unscrewing a pen body. Both screws should be *lightly* finger-tight.

CAUTION: Avoid stripping the screws during adjustment. Stripping the screws can damage the LevelSense board.

Finish

Remove the PEC*PADs to complete the procedure. If there is any dust or contamination on the Optical Window, use Formlabs instructions to [inspect and clean the glass Optical Window](#).