



TRUE MIRROR

P.O. Box 382
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www.truemirror.com

Full Length True Mirror: Unpacking and setup instructions upon receipt

Congratulations on acquiring the amazing Full Length True Mirror! Following are instructions for unpacking and setting up the True Mirror. We can also have a Zoom session so we can talk about it when you have it at your site. It's a little tricky and it's overly long to describe the process in text. Contact John Walter at jwalter@truemirror.com

Here is basically what you will be doing, and the following pages go into in more detail.

A) Unpacking and initial setup

- 1) Remove two boxes from crate, then bring it to the place where it will be finally located. Once it is final assembled, it shouldn't be moved too much as the seam is more fragile when joined.
- 2) Remove boxes and wrapping at the final location.
- 3) Set pedestal with working space around it for 2 people
- 4) Put True Mirror on pedestal with felt on bottom, center the mirror on the pedestal
- 5) Remove the back cover completely
- 6) Remove the shipping screws and brackets (all painted yellow). There are **4** along the center seam, and **8** for the yellow brackets on the top and bottom left panel. They are labeled to be removed as well, Remove completely and store in bottom of case if you need to move it again. **Leave all other screws alone**

B) Seam Tightening – most delicate operation

- 7) Now start the process to tighten the seam – notice the 12 screws on the center seam – use a screwdriver to slowly turn each one in sequence, while simultaneously watching from the front to see how the mirrors come together evenly. Work up and down at least a few times to be sure the edge closes evenly just until there is just a hairline gap left. Make sure the seam is even on this – if one part of the seam is touching, open the screw a little so it's back to just a hairline gap
- 8) Use the enclosed white cardboard with yellow tape to help identify the gap and locations
- 9) Go to the front, and turn the Main Adjusting Knob on the Right, to align the center of the mirror (make your image clear)– this may separate the seam slightly so retighten wherever you see black in the seam.
- 10) Repeat step 8 until the seam is virtually invisible. You will retighten it a couple days later after it settles, so it's not important to be perfect right now
- 11) Don't overtighten – it will cause an optical “bubble” at the point where it's too tight – just loosen it. Also, too much and you may chip the glass – it's very fragile at that seam!

C) Adjusting the mirror – this is a regular process depending on humidity and temperature change

- 12) Adjust the mirror – the goal is to create a perfect 90 degree angle from top to bottom.
- 13) This is an ongoing process – temperature and humidity changes will always make the True Mirror need fine tuning.
- 14) It's not difficult, it just needs a little technique
 - a. First notice from the back how the mechanism works. The right screw will adjust the entire right panel top to bottom and is the first one to get aligned.
 - b. Work with the image in the center of the mirror to get it right. Use objects in the distance to confirm that there is no gap or bunching up of the image right in the center.
 - c. Once the middle section is complete, move to the left knobs. Notice from the back that these knobs push right against the mirror itself, allowing it each section to be independently adjusted.



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- d. Adjust each section right at the position of the knob, again making the image clear and objects in the distance not being split or bunched up in the seam.
- e. This should be done iteratively once or twice, where you go back to the right screw and make sure it's right, then fine tune the other side.
- f. Once you are complete, you should be able to go back about 10 feet and see a clear image, running your eyes up and down.
- g. If you see a small "bump" in the image, it's due to one of the screws at that position being tightened too much. go back and release some tension and see that the bump disappears.

D) Final wrap-up

- 15) After the mirror is adjusted properly, put the back panel back on,
- 16) Notice that you can still access the seam tightening screws.
- 17) After a few days, you may need to slightly tighten them again due to settling, and maybe once down the road. The true Mirror is very precise and will respond to temperature and humidity which changes the adjusting angle, but the seam usually will stay tight over time.

E) Cleaning

- 18) Use glass cleaner and simple tissue/toilet paper. The best cleaner is Sparkle (<http://sparkle-glasscleaner.com/>) but ordinary glass cleaner works as well.
- 19) The mirror surface scratch easily, so be careful with cleaning.
- 20) Blow of any dust and grit first
- 21) Use common tissue/toilet paper with low lint rather than paper towels or cloth. Change frequently
- 22) Spray glass cleaner on mirror if there is a lot fingerprints, otherwise spray on paper first.
- 23) Hot breath on mirror surface, then wipe off with tissue, also works for faint streaks.