















Polaroid Pinhole Photo Kit User's Guide

The pinhole kit is designed for everyone who enjoys making their own pinhole camera and appreciates the instant, high quality prints produced by Polaroid peel-apart films. It combines the unique results of pinhole camera photography with Polaroid's power to create images instantly, results you can not obtain with conventional 35 mm photography.

Please read this guide carefully. It contains important instructions for set up and operation. Save it for future reference.

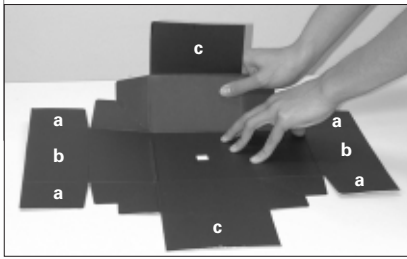
This is not a disposable camera. Continue to use it with Polaroid's high quality peel-apart films so you can continue to create images instantly.

Kit Components

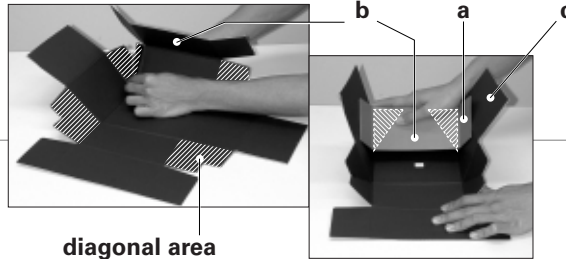
 <p>Outer Box</p>	 <p>Inner Box</p>	 <p>Film holder for Polaroid film</p>	 <p>Exposure time guide sticker</p>
 <p>0.3 mm 0.4 mm</p> <p>Pinhole plates</p>	 <p>Pinhole frame</p>	 <p>Tripod adapter</p>	 <p>Airing box</p>
 <p>Shield tape</p>	 <p>Double-sided tape Double-sided sponge tape</p>	 <p>Framing bar</p>	 <p>Polaroid Peel-apart film (Type 669)</p>



1 Create the outer box



1 Fold inward on all the creases.

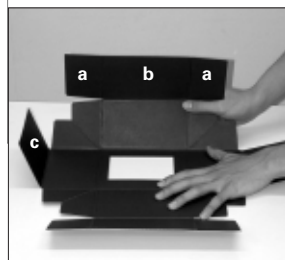


2 Fold in the diagonal areas under flap **b**.

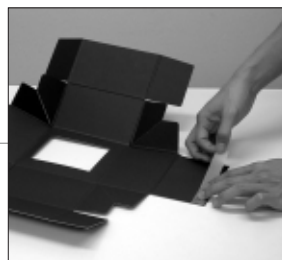


3 Fold in the **c** flaps over the **a** flaps.

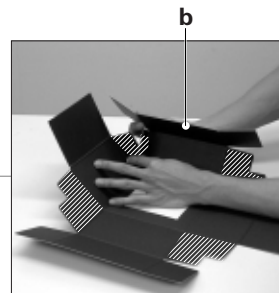
2 Create the inner box



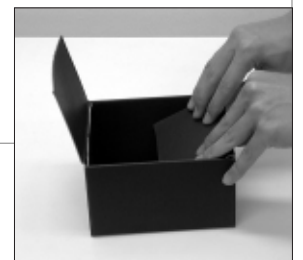
1 Fold inward on all the creases.



2 Cut the double-sided tape to an equal length and stick on the edge of the **c** flaps.



3 Fold in the diagonal areas under the **b** flaps as done in step 2 above.

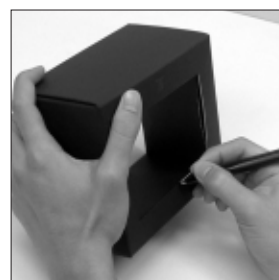


4 Fold in the **c** flaps over the **a** flaps.

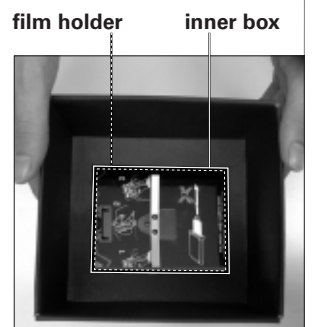
3 Setup the camera back



1 Cut the double-sided tape to an equal length and stick on the plate. To prevent light from seeping into the box and exposing the film, the tape edges should be flush with each other.



2 Paint the frame of the inner body box opening with a black marker pen.



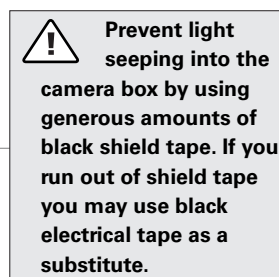
3 Place the inner box above the film holder. Center the openings.



4 Press the inner box and film holder together as shown above.



5 To prevent light seeping into the box, apply the shield tape around the film holder.



6 Place the inner box above the film holder. Center the openings.



4 Create the pinhole plate



Caution: Pinhole plates are sharp. Handle with care.

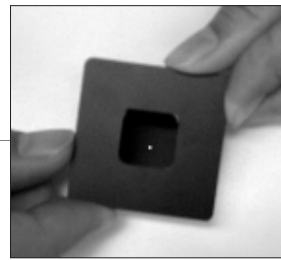


0.3 mm 0.4 mm

To decide which pinhole plate to use, see "Pinhole plates" in the *Guide to better pictures* section for more details.



1 Peel the light brown paper from the backside of the frame.



2 Center the frame over the pinhole and stick together.
For best results, make sure your pinhole is in the center of the frame.



3 Position the frame over the two white dots on the face of the outer body box.
Make sure your pinhole is centered, then press down. Use shield tape to prevent light leakage.

5 Create the camera box



Good Bad

1 Insert the inner box slowly but completely into the outer box. Use extra care when inserting so as not to damage the sides of the box. **For best results, the inner box must be inserted completely.**

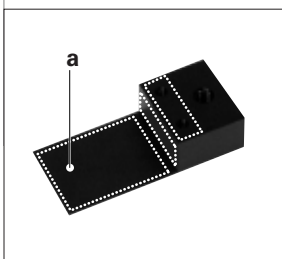


2 To prevent light seeping into the box, apply the shield tape around the edges.

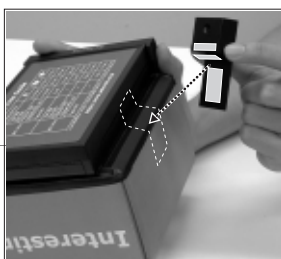
⚠ *Prevent light seeping into the camera box by using generous amounts of black shield tape. If you run out of shield tape you may use black electrical tape as a substitute.*



6 Attach the tripod adapter



1 Stick sponge tape on area outlined on adapter.



2 Attached the tripod adapter at the center of the box.
⚠ *The tripod adapter is important. Even if you will not use a tripod, the tripod adapter is necessary for placing the camera on flat surfaces, like a table or a stand.*

7 Create a shutter release



1 Cut the shield tape about 2 inches (5 cm) and fold back about 1/2 inch (1 cm).



2 Stick the tape below the pinhole. The tape works like a shutter on a regular camera.
⚠ *Before you load the film, make sure the pinhole is covered by the tape.*

Taking a pinhole photo

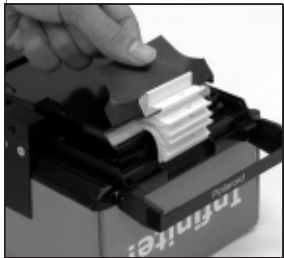


1 Load film

Polaroid pinhole kit uses Polaroid peel-apart films for professional use. Follow the process when you load the film.



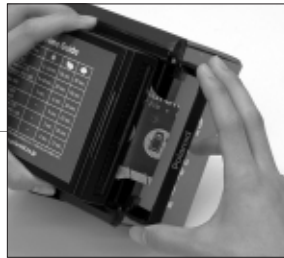
- 1 Confirm the pinhole is covered by the shutter release tape.



- 5 Check the leader tab number. The leader tab number is the frame number.



- 2 Hold the top and bottom of film holder latch, and turn it into outside.



- 6 Confirm the safety cover extends out of the film holder. Close the cover.




- 3 Open the film holder cover.



- 7 Close the film holder latch. Pull the safety cover out in a straight line in one motion.



- 4 Load film with safety cover facing you.

 **Do not hold the camera body when pulling out the safety cover or film. Hold the film holder.**

Purchase additional Polaroid peel-apart film at your nearest dealer.

2 Take photo

Since exposure time is quite long for a pinhole photo, use a tripod or place the camera on a flat surface to ensure your subject will be in focus.



- 1 Set the camera on the tripod or put it on the flat table and face to subject.



- 2 Look at the subject from behind the camera. Use the width of the camera front to frame your picture.
Put the framing bars on each side of the camera to help you aim. See more details in "Attach the framing bars" in Tips for better pictures section.



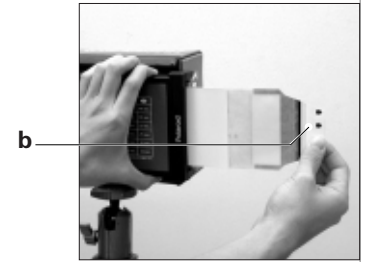
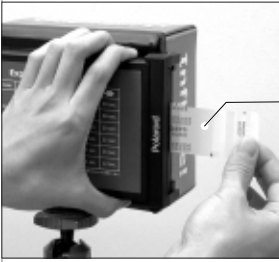
- 3 Peel the shutter tape away from the pinhole to take your photo.
Use the "Exposure time guide" for help on exposure time. The final image will differ based on temperature, weather, period of time and subject.



- 4 After exposure, cover the pinhole with shield tape.



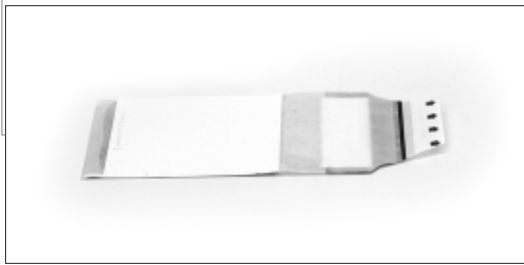
3 Develop film



1 After taking photo, pull out the leader tab (a) out in a straight line in one even motion. The pull tab (b) will appear. Check that rest of the leader tabs remain inside the film holder.

⚠ When you pull the leader tab, hold the film holder tightly using your hand. If you hold the body and pull the tab, the camera or film might get damage. **DO NOT cover the film exit with your finger like picture above.**

2 Pull the pull tab out in a straight line in one even motion.



3 Put the film on the flat surface and measure the development time. Since the development time varies by the film type and temperature, please follow the film tip sheet.

⚠ Do not touch or scrub the developing film. It may result in a distorted or incomplete image.

4 When developed time is reached, peel the frame apart from the pull tab in one even motion. **Do not stop part of the way.**

⚠ Caution: Polaroid peel-apart film uses caustic paste. Please read the film tip sheet carefully for handling. See caution statement below.

4 Dry the photo

Dry the pictures. Just after peeled, Polaroid peel-apart film is still wet on the image surface. Put the frame either on the flat table or inside airing box to dry it.



1 Assemble airing box as shown.



2 Slide the photo into the holders.




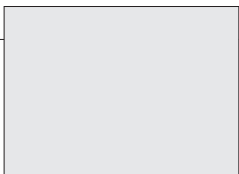




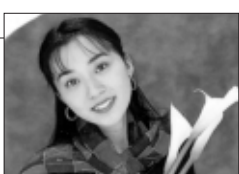
⚠ Fold the negative as shown above and discard of appropriately. Film negative is harmful to the environment. Bring a trash bag with you if taking photos outdoors.

Film storage: Store unopened film in a cool, dry place. Refrigerate film whenever possible; **do not freeze it.** For best results, film should be at room temperature (70–80°F/ 21–27°C) at time of use.

Limited Warranty: Polaroid will replace any film that is defective in manufacture, labeling or packaging, provided representative samples are returned to your dealer or to the nearest Polaroid office. **This warranty does not apply to outdated film and excludes all consequential damages except in jurisdictions not allowing such exclusions or limitations. This does not affect your statutory rights.**

⚠ **Caution:** This process uses a caustic paste. Avoid contacting skin, eyes or mouth with the paste and keep it away from children and animals. **If you get some paste on your skin, wipe it off immediately and wash with water to avoid an alkali burn. If eye or mouth contact occurs, quickly wash the area with plenty of water and see a doctor. Keep discarded materials away from children, animals, clothing and furniture.**



<p>Picture is almost or perfectly black.</p> <p>Cause and Solution: The exposure time is not long enough or the pinhole is being blocked.</p>	
<p>Picture is perfectly white</p> <p>Cause and Solution: Too much exposure was given to the film or the film holder was opened, thereby exposing the film.</p>	
<p>Subject is too bright or has a flare of light</p> <p>Cause and Solution: This is caused by exposing too long in a bright place. Check to see if there are not any other light leaks around the camera.</p>	
<p>Repeated white spots on the print</p> <p>Cause and Solution: Spread Rollers inside the Film Holder need to be cleaned (refer to the section of cleaning the rollers).</p>	
<p>Wavy or bar pattern on the image</p> <p>Cause and Solution: When you pull the film through the rollers, pull with a straight even motion. Do not stop part way.</p>	
<p>Blurry picture</p> <p>Cause and Solution: Ensure that the pin hole camera is stable when making the picture.</p>	
<p>Incomplete coverage</p> <p>Cause and Solution: When you pull the film through the rollers, pull with a straight even motion. Do not stop part way.</p>	

1 Clean the film roller



1 Open the film door.



2 Place your thumb on the edge of roller unit and turn the unit up and take out the roller.



3 Clean the roller with a lens free cloth dampened with water.



4 Return roller unit into the film holder.



5 Check the film exit debris. Remove paper or dried reagent from the film exit.



6 Close the film holder cover.



A Pinhole plate features

This kit contains two pinhole plates. One is 0.3 mm wide. The other is 0.4 mm. Each will give you different results.

0.3 mm – Standard

This size is recommended for general use. Take sharp pictures using this plate.

Because of the characteristics of instant film, cloudy weather conditions will effect the picture's color balance under long exposure times. (Bluish prints)

0.4 mm – Short Exposure

To avoid color shifts, use the 0.4 mm pinhole plate which has a shorter exposure time.



! For best results, use shield tape to cover edges of the pinhole frame whenever you change pinholes plates

! Change pinholes at the same time when changing film. If you change pinholes with film in the camera, the first frame of film will be exposed. Pull out the exposed frame before taking more pictures.

B Use the framing bars

The framing bars helps you aim and frame your photograph.



! The framing bars will only show you the width of your picture. It will not indicate the height.

1 Tape or glue the framing bars on the sides of the camera.

3 View your picture width between the framing bars.

C Using filters

You can take a unique color tone picture with the character of this film. Change color balance using Light Balancing Filter to finish something new to one. Please choose the color and density of the Light Balancing Filter based on the condition and purpose of taking a picture. Cellophane paper gives you an interesting effect.



1 Cut the filter in a 3 centimeter square and stick on the pinhole frame with shield tape.

2 Place the shutter tape over it. **DO NOT touch the filter.**

! When you use the light balancing filter, exposure time may be longer than "Exposure Time Guide". Because of the characteristics of instant film, cloudy weather conditions will effect the picture's color balance under long exposure times. (Bluish prints)

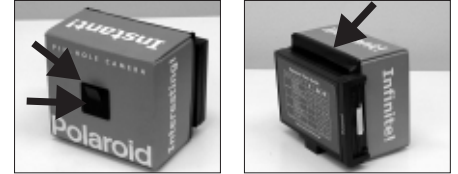
! Apply filters at the same time when changing film. If you apply filters with film in the camera, the first frame of film will be exposed. Pull out the exposed frame before taking more pictures.

Precautions

Observe the following precautions when you use the Polaroid Pinhole Photo Kit

Confirm before taking a picture

Before loading film or taking picture, you should make sure:
1. The camera body, film holder and pinhole are tightly connected.
2. The shutter tape is covering the pinhole.



Keep the camera dry

The camera body is made of paper and can be easily damaged by water. Water may also cause the film holder to have mechanical problems.



Do not hold the camera body

The camera body is made of paper and can be easily damaged. Hold the Polaroid Pinhole Camera by the film holder.



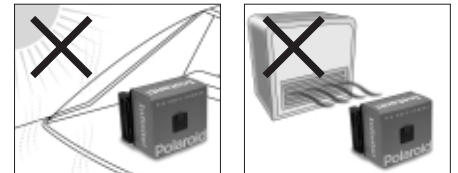
Travel

To avoid damage, place camera into a hard case when traveling.



Storage

Do not leave your camera in the sun for prolonged periods. Do not leave it in your car in the summer or in front of a heater.



Long-term non usage

Clean the roller of the film holder and keep in a dry place.



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