

 Polaroid



POLAROID

POLAPRINTER 8x10  
SLIDE PRINTER

For more information, contact your local Polaroid distributor or call 1-800-541-0000.

Underwriters Laboratories Inc. (UL) requires that the following safety information be provided.

## IMPORTANT SAFEGUARDS

AS WITH ANY ELECTRICALLY OPERATED EQUIPMENT, BASIC SAFETY PRECAUTIONS SHOULD BE OBSERVED. REMEMBER:

1. FOLLOW ALL INSTRUCTIONS.
2. DO NOT LEAVE UNIT UNATTENDED WHILE IN USE.
3. DO NOT OPERATE UNIT WITH DAMAGED CORD, OR UNIT WHICH HAS BEEN DROPPED OR DAMAGED, UNTIL IT HAS BEEN EXAMINED BY AN AUTHORIZED POLAROID SERVICE CENTER.
4. UNIT MUST BE GROUNDED. POWER CORD HAS THREE-PRONGED PLUG, WHICH MUST BE PLUGGED INTO AN APPROPRIATE OUTLET.\*
5. DO NOT LET POWER CORD TOUCH HOT SURFACES. ARRANGE CORD SO THAT IT WILL NOT BE TRIPPED OVER OR PULLED.
6. IF EXTENSION CORD IS NEEDED, USE CORD WITH SUITABLE POWER RATING AND A GROUNDED PLUG.\*
7. UNPLUG UNIT FROM ELECTRICAL OUTLET WHEN NOT IN USE. GRASP PLUG, NOT CORD, AND PULL TO DISCONNECT.
8. UNPLUG UNIT AND LET IT COOL FOR A FEW MINUTES BEFORE CHANGING VIEWING LAMP, TO PREVENT POSSIBILITY OF BURN.
9. TO AVOID ELECTRICAL SHOCK HAZARDS, DO NOT DISASSEMBLE UNIT, AND DO NOT IMMERSE IN WATER OR OTHER FLUIDS. DO NOT OPERATE UNIT NEAR WATER OR WITH WET HANDS. IF SERVICE OR REPAIR WORK IS REQUIRED, CONTACT AN AUTHORIZED POLAROID SERVICE CENTER.

\*THIS APPLIES ONLY IN COUNTRIES WITH GROUNDED ELECTRICAL SUPPLIES.

## PLEASE KEEP THESE INSTRUCTIONS

For units certified by CSA (Canadian Standards Association), the 220-volt power cord is not included in CSA certification.

### Introduction

With the Polaroid Polaprinter 8x10 Slide Printer you can produce on-the-spot 8x10 prints or 8x10 transparencies for overhead projection, from your 35mm slides. It must be used in conjunction with a Polaroid 8x10 film processor and film holder, and currently uses the following film types:

- Polaroid Polacolor ER 8x10 Instant Film Type 809
- Polaroid Colorgraph 8x10 Instant Film Type 891
- Polaroid Coaterless B&W 8x10 Instant Film Type 803 (limited availability; contact Technical Assistance in the U.S.A. or your dealer for information)

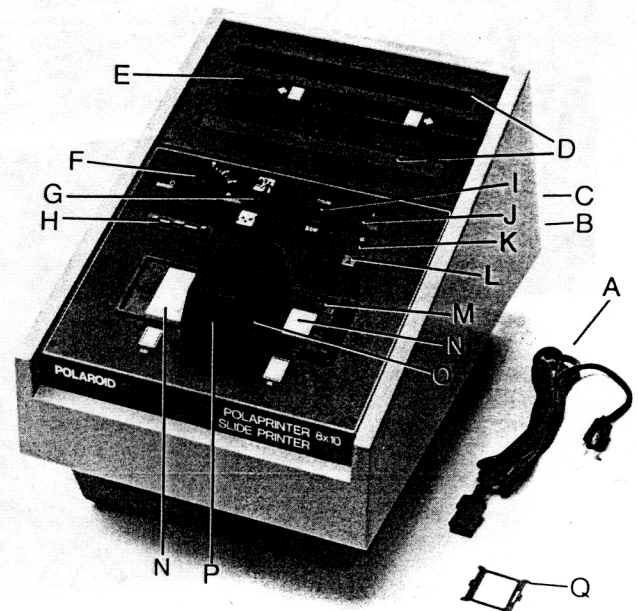
The Slide Printer is designed to function as automatically as possible, while still providing you with the basic controls and options you want. You can choose between reproducing the entire image, or cropping the image to fill the 8x10 format (by cropping from one or both ends of the slide.) Exposure is controlled automatically with built-in photo cells that control the duration of the flash. You can choose between two different metering techniques, depending on whether the slide is pictorial or graphic. In addition, there is a Lighten/Darken control for fine-tuning the exposure.

Instructions for use of the processor and film holder are packaged with that equipment.

The numbers throughout the text refer to the pictures on the fold-out pages at the back of the booklet.

### The Slide Printer (picture 1)

- |                                |                             |
|--------------------------------|-----------------------------|
| A. Power cord                  | J. On/off switch            |
| B. Voltage selector            | K. Flash-ready indicator    |
| C. Power cord receptacle       | L. Exposure button          |
| D. 8x10 film holder slots      | M. Movable slide carrier    |
| E. Format selector             | N. Viewing panels           |
| F. Lighten/Darken control      | O. Filter slot              |
| G. Light meter selector switch | P. Electronic flash housing |
| H. Slide spacer storage slot   | Q. Slide spacers (4)        |
| I. Film selector               | R. Dust cover (not shown)   |



## Set it up

### For those models with an accessible voltage selector:

Before connecting the power cord, make sure the voltage selector on the back of the unit (2) is set at the proper voltage (115 volts within the U.S.A.). Follow the guidelines shown in the table. If you are unsure of the voltage requirements of your area, contact your dealer or the nearest Polaroid office. (Damage to the unit caused by operating it at the incorrect voltage is not covered by the warranty and a charge will be made for such repairs).

If your available voltage is:	Set the selector to this number:
95-109	100
110-124	115 (U.S.A.)
125-140	130
190-211	200
212-230	220
231-255	240

**Plug it in:** Attach the power cord to the unit (3), and plug it into an electrical outlet.

**Turn it on:** Switch the ON/OFF switch to "1" (4). A viewing panel will light up and the red flash indicator light will come on.

## Prepare the slide

**Be sure the slide is clean:** Dust particles will be enlarged in the 8x10 copy. Clean both sides with an anti-static brush, a soft blower brush, or compressed air. Never touch the slide surfaces with your fingers.

**Be sure the slide is in focus:** Check focus with a magnifier (12X or greater). Any softness in the 35mm slide will result in a fuzzy (out-of-focus) print.

**To reproduce the entire slide image:** Push the format selector bar to the left (5). The appropriate viewing panel will light up, and the appropriate film holder slot will open up. Move the slide carrier over the illuminated viewing panel (6). In this mode, the image will be enlarged approximately 6.8 times, and the 8x10 copy will have black borders.

**To crop the image:** Push the format selector bar to the right (7). The appropriate viewing panel will light up, and the appropriate film holder slot will open up. Move the slide carrier over the illuminated viewing panel (8). In this mode, the image will be enlarged approximately 9 times, and you will lose approximately 27% of the slide image, due to cropping.

**Choose the correct slide spacer:** Slide mounts vary in thickness from 1-2mm (standard thin cardboard or plastic mounts) up to 3.5mm (thick glass or plastic mounts). Four slide spacers (two each of two thicknesses) are provided to compensate for this variation, to insure that the image plane of the slide always lies in the proper location for accurate focus. To gauge the thickness of your slide mount, fit the corner of the mount into the slot in the face of the slide spacer (9). The spacer with the narrowest slot which fits your mount is the one you should use with that slide. If the mount is very thick (3mm+) and does not fit in either slot, use no spacer at all. Place the correct slide spacer on the slide carrier you will be using (10).

**Place the slide on the slide carrier (11):** Place conventional slides emulsion-side down on the correct slide carrier frame, on top of the slide spacer, if you are using one. Polaroid slides must be emulsion-side up. In both cases, the scene must appear correct, not reversed. The viewing panel will light up the slide for you to preview the image.

**Cropping mode:** In the right frame of the slide carrier, the slide is held in place by spring pressure. Moving the slide along its long dimension, use the dotted lines on the viewing panel to preview the cropped image and to position the slide for that crop at the same time (12). You can crop from one or both ends. (Be sure to look straight down at the slide when cropping to get the most accurate indication of the crop that will result in the final copy.)

**Add filters:** See the instruction sheet packaged with your Polaroid 8x10 film for recommended corrective filtration for that film, according to slide brand. You may also filter for special effects. The blue filter slot, located on the right side of the electronic flash housing, holds one or more 2x2 in. (5x5cm) gelatin filters. Insert the filter(s) into the slot (13). Exposure automatically compensates for filter density.

## Check the exposure controls

**Set the film selector for the 8x10 film you are using (14):** When using Type 809 and Type 891 film, set the film selector to COLOR. When using Type 803 film, set it to -1 (toward DARKEN).

**Set the light meter selector switch:** This switch allows for more accurate metering of two basic slide types:

- **Pictorial slides (15):** General photographs, or "pictures," of people, places, scenery, objects, etc. (images with an average density). Set the switch at the "scenic" symbol on the unit. In this mode, the light meter reads the light transmitted through the slide, and provides an accurate exposure of a pictorial slide.
- **Graphic slides (16):** Charts, graphs, plans, etc. from original art or computer graphics displays, title slides, etc. These slides are typically not average in density, having large light or dark areas. Set the switch at the "graphic" symbol on the unit. In this mode, the light meter reads only the light coming from the flash and does not take into account the density of the slide. The resulting copy will be a more accurate reproduction of the original slide. (This setting can also be used for pictorial slides that have large light or dark areas which need to be preserved in the copy.)

**Set the Lighten/Darken control:** Use this control to fine-tune exposure. For average slides, keep it at the normal setting (17). To lighten a subsequent copy, move the control toward LIGHTEN ○. For less exposure (darker copy), move the control toward DARKEN ●. When using Type 803 film, set it to B&W. The numbers indicate full f/stop values. Divisions between full numbers indicate 1/2 f/stop values. Remember to set the control back to normal when the adjustment is no longer needed.

**Push the slide carrier under the flash housing (18):** When the electronic flash is fully charged, the green light will come on. You are now ready to make the exposure.

## Load the film

For details on the proper use of your Polaroid Land 8x10 film, film holder, and processor, see the instructions packaged with the film and equipment.

**Load the negative into the film holder.**

**Insert the film holder into the slot that opened when you set the format selector (19):** The dark slide should face forward (toward the control panel) and the dark slide handle should be on top.

**Raise the dark slide (20).**

## Take the picture

**Check to be sure the green flash-ready indicator light by the exposure button is on:** The red light indicates that the slide carrier has not been pushed in, or that the flash is not ready to fire. (When the unit is first turned on, and between exposures, the flash takes about 20 seconds to charge.)

**Push the exposure button (21):** The flash will fire.

**Safety interlock:** If you push the exposure button while the red light is on, the flash will not fire. This feature prevents you from ruining a piece of film. To restore the green light, push the slide carrier under the flash, and/or wait for the flash to charge. Then push the exposure button again, to fire the flash.

**Reinsert the dark slide, and remove the film holder by pushing it toward the rear of the unit and pulling up (22).**

**Process the film, following the film instruction sheet.**

**Push the slide carrier out and remove the slide:** Remove any filters that will no longer be needed, and set the L/D control back to normal.

## Maintenance

**Replacing a viewing panel lamp:** Unplug the unit and let the lamp cool. Push the slide carrier away from the affected viewing panel. Insert a screw driver or similar object into the small slot under the viewing panel, and push in to unlatch the bottom of the panel (23). Lift out the panel. To remove the lamp, press it down and rotate it counterclockwise until it pops out. Replace it with a GE #57, 14 volt, or its equivalent. Matching the tiny knobs on the lamp base with the openings in the socket (24), press the new lamp into the socket and turn it clockwise a quarter turn. To replace the viewing panel, position the top of the panel first, then snap the bottom into place.

**Storage of the unit:** Switch the unit off and unplug the power cord when the unit is not in use. The film holder slots should always be covered, to prevent dust from entering the system and appearing on subsequent copies; use the dust cover, or store a film holder in the open slot, at all times.

**Caution: To prevent electric shock, do not attempt to disassemble the unit.** If you believe your unit needs repair, send it to the nearest Polaroid Service Center (see Warranty).

## Care and handling of Polaroid film

For best results, follow carefully the instructions packaged with your Polaroid equipment and film. Pay particular attention to the following points. Call Technical Assistance if further information is required.

**Store the film in a cool, dry, place,** as recommended in the film instruction sheet. Allow the film to reach room temperature before use, if refrigerated.

**Keep the processing rollers clean:** Dirt on the rollers will cause repeated spots in the image; clean them regularly, as described in your 8x10 processor instructions.

**Process for the correct time (peel-apart films):** Picture quality is affected by processing time and temperature. Standard processing times apply at room temperature only; at lower temperatures, processing time will need to be extended. In addition, exposure adjustments may be needed at higher and lower temperatures. See the film instruction sheet for information.

## Troubleshooting

**Black image (not exposed):** Negative envelope not removed; dark slide not pulled up; flash did not fire (slide not pushed in; flash not fully charged; exposure button not pushed).

**Very dark image (greatly underexposed):** Exposure control(s) incorrectly set (light meter selector switch; Lighten/Darken control); film selector incorrectly set.

**White or clear image (totally exposed or light struck):** Negative loaded backwards.

**Very light image (greatly overexposed):** Exposure control(s) incorrectly set (light meter selector switch; Lighten/Darken control).

**Image slightly fuzzy (unsharp):** Incorrect use of slide spacers; badly warped slide; original slide out of focus.

**Repeated dot pattern:** Dirty processing rollers.

**Random white or clear dots:** Dirt particles on positive sheet.

**Black line along narrow edge of picture (other than normal full-frame black borders):** Dark slide not pulled far enough; negative not engaged on film holder tongue.

**Positive-negative misregistration after processing:** Positive sheet not loaded properly into tray.

**Film assembly fails to pass into the processor:** Negative tab is bent; negative not loaded between blue guide lines in film holder; the 81-06 holder is not properly seated in the tray.

**Blotch or V-shape in picture:** Negative squeezed or kinked.

**Poor color quality:** Mismatch of positive-negative code number; processed for too short a time; incorrect use of filters.

**Negative protruding from bottom end of holder:** Negative not engaged on holder tongue.

## Caution

The Polaroid Land film process uses a caustic jelly which is safely packed inside sealed containers on each 8x10 positive sheet. **If accidentally you should get some of this jelly on your skin, wipe it off immediately.** To avoid an alkali burn, wash the area with plenty of water as soon as possible. **It is particularly important to keep the jelly away from eyes and mouth.** Keep the discarded materials out of reach of children and animals and out of contact with clothing and furniture, as discarded materials still contain some jelly.

### Information and technical assistance

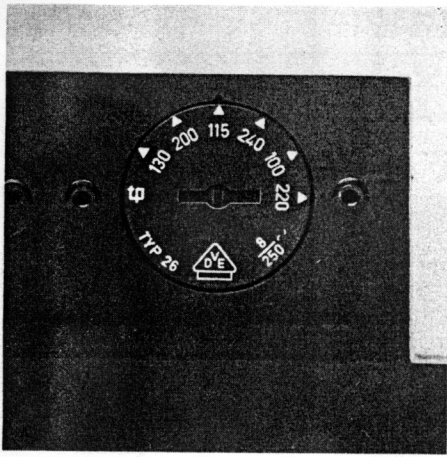
If you ever need additional help in the use of your Polaroid 8x10 Slide Printer, or advice on any other photographic problem, please contact us. **Within the U.S.A.**, call us toll free at 800-225-1618, Mon.-Fri., 9 a.m. to 6 p.m., Eastern Time. Or write to Technical Assistance, Polaroid Corporation, 784 Memorial Drive, Cambridge, MA 02139. **Outside the U.S.A.**, contact the Polaroid office nearest you.

### Warranty (U.S.A. only)

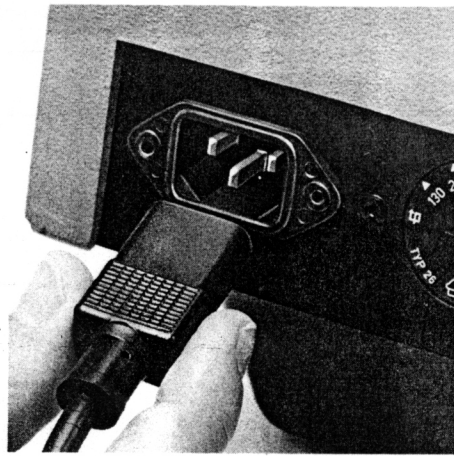
Your Polaroid Polaprinter 8x10 Slide Printer has been thoroughly tested and inspected before shipment. All parts are guaranteed against defects in materials and workmanship for one full year from the date of original purchase. During this period any such defects will be remedied by Polaroid Corporation without charge (except for transportation). This warranty does not cover the viewing panel lamps (covered by the lamp manufacturer's replacement policy). Damage to the unit caused by operating it at the incorrect voltage is not covered by the warranty, and a charge will be made for such repairs. To take advantage of this warranty, the unit must be repaired by a Polaroid Service Center or an Authorized Service Center. Units damaged by accident, misuse, or tampering will be promptly repaired at a reasonable charge. Please pack the unit carefully in a solid container, with plenty of padding, and ship it, prepaid and insured, to the nearest Service Center. **This warranty excludes all consequential damages.**

### Warranty (Outside the U.S.A.)

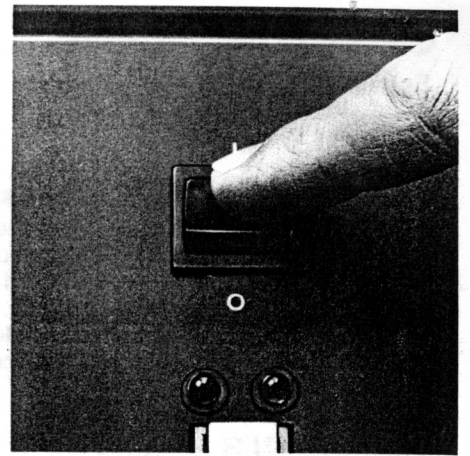
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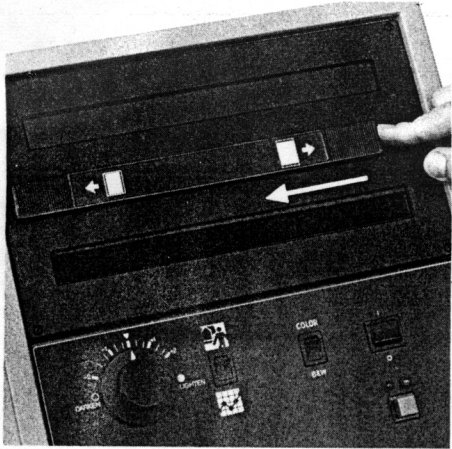
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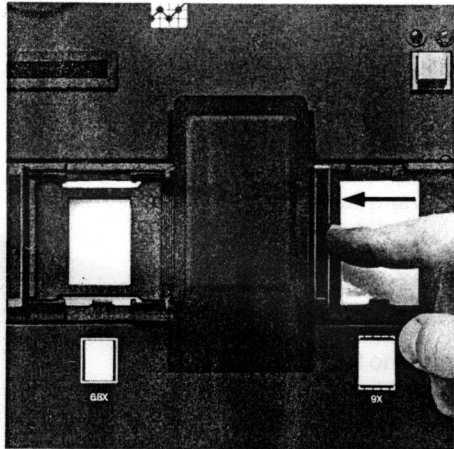
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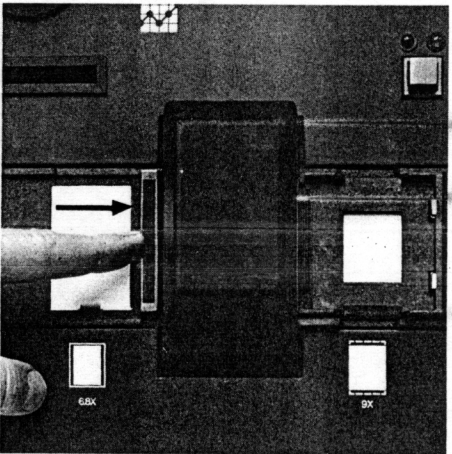
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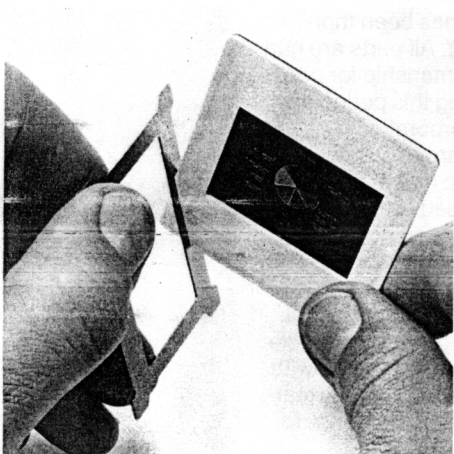
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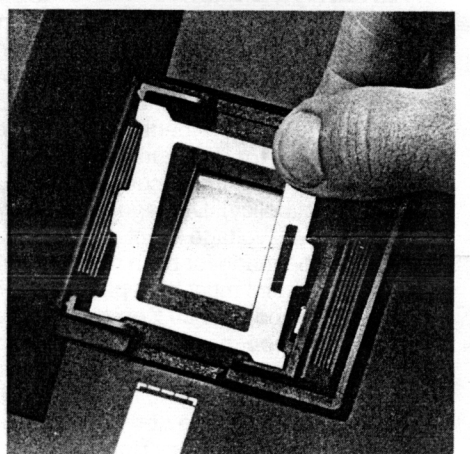
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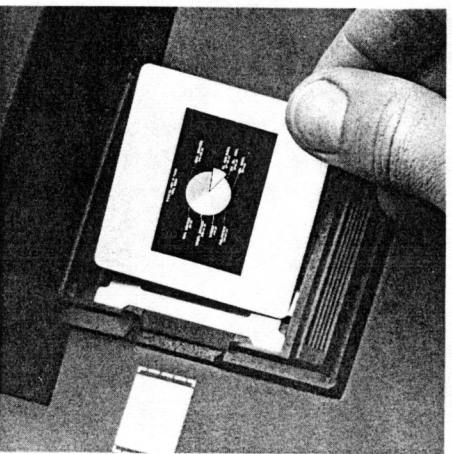
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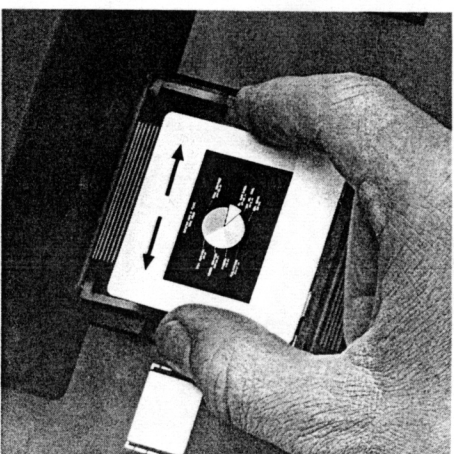
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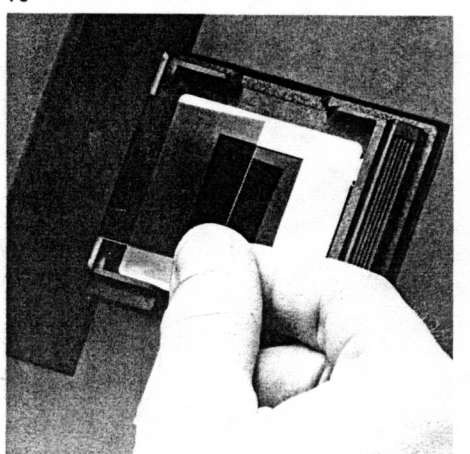
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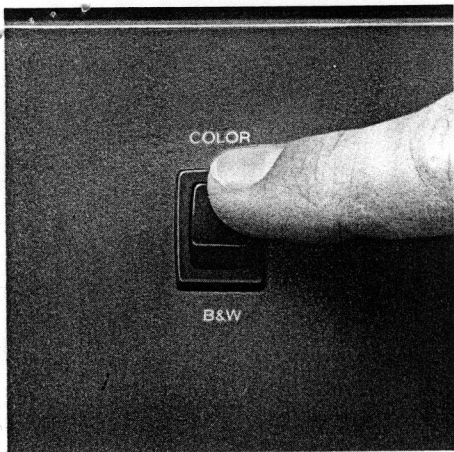
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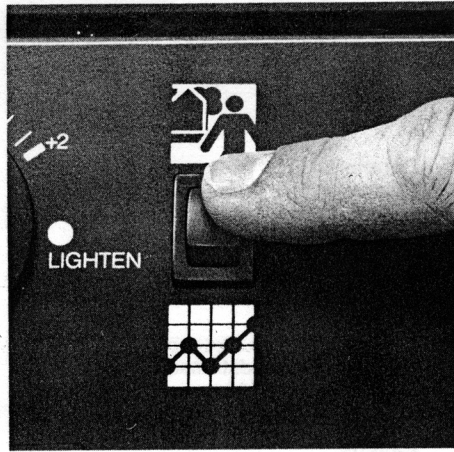
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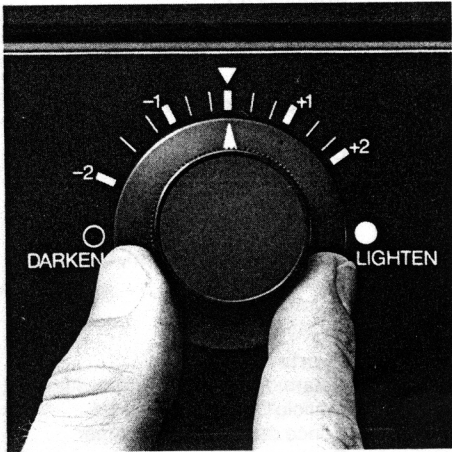
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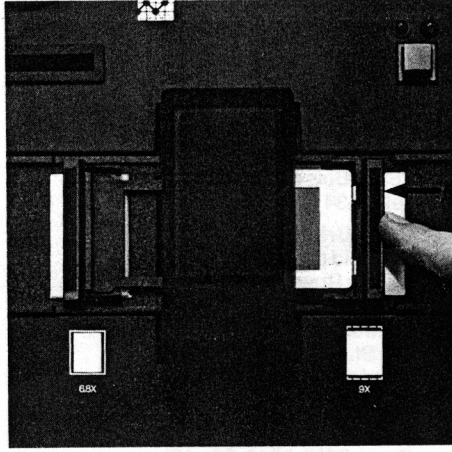
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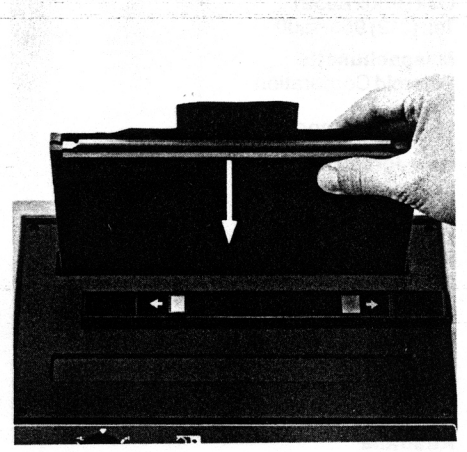
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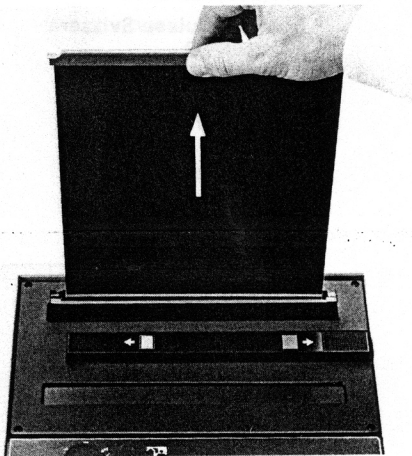
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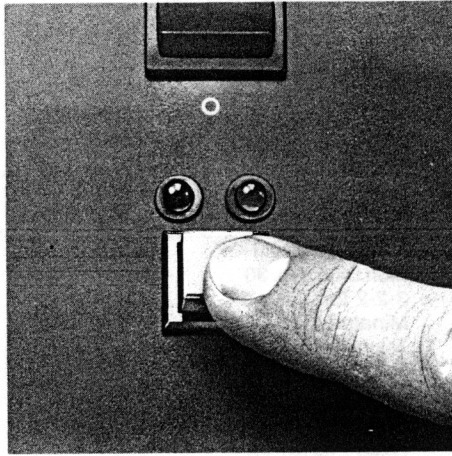
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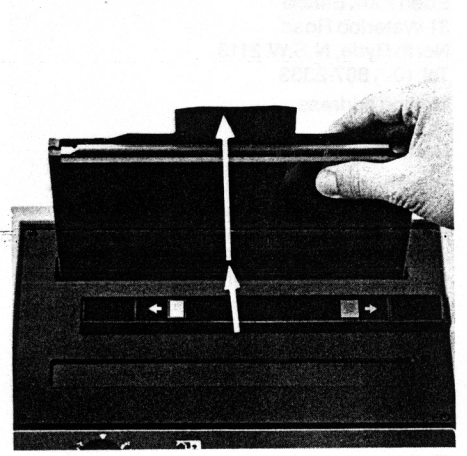
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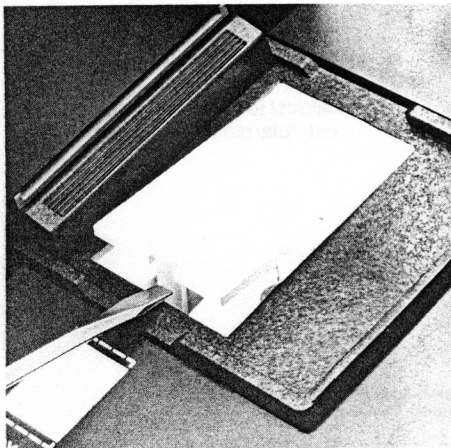
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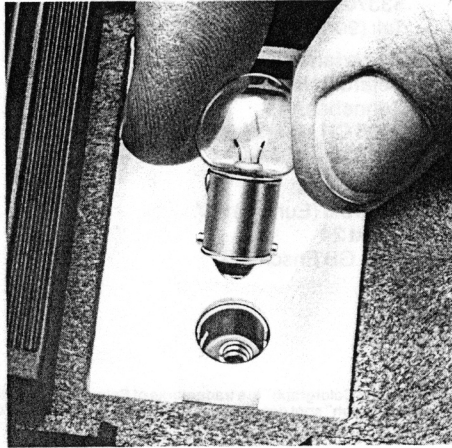
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22



23



24

## Polaroid Service Centers and Offices

### California

Polaroid Corporation  
3232 West MacArthur Boulevard  
Santa Ana 92704  
Tel: (714) 641-1200

### Georgia

Polaroid Corporation  
5601 Fulton Industrial Blvd., S.W.  
Atlanta 30378  
Tel: (404) 346-1717

### Illinois

Polaroid Corporation  
2020 Swift Drive  
Oak Brook 60521  
Tel: (312) 954-1600

### Massachusetts

Polaroid Corporation  
Tel:  
Toll free 800-225-1618

### New Jersey

Polaroid Corporation  
P.O. Box 607  
W-95 Century Road  
Paramus 07652  
Tel: (201) 265-6900

### Texas

Polaroid Corporation  
1945 Walnut Hill Lane  
Irving 75038-4408  
Tel: (214) 258-8100

### Australia

Polaroid Australia Pty. Ltd.  
Eden Park Estate  
31 Waterloo Road  
North Ryde, N.S.W. 2113  
Tel: (02) 887-2333

Mailing address:

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North Ryde, N.S.W. 2113

### Belgique/België

Polaroid (Belgium) S.A.-N.V.  
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Kolonel Bourgstraat 113  
1140 Bruxelles-Brussel  
Tel: 02-736.10.00

### Brasil

Polaroid do Brasil Ltda.  
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São Paulo 01330, S.P.  
Tel: 285-6411

Endereço postal:

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São Paulo 01000

### Canada

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### Danmark

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3460 Birkerød  
Tel: (02) 81 75 00

### Deutschland

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Sprendlinger Landstrasse 109  
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Tel: (069) 8404-1

### España

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Tel: (1) 435 25 09

### France

Polaroid (France) S.A.  
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B.P. 47  
78391 Bois d'Arcy Cedex  
Tel: (1) 34 60 61 66

### Great Britain

Polaroid (U.K.), Ltd.  
Ashley Road  
St. Albans  
Hertfordshire AL 1 5PR  
Tel: St. Albans (0727) 59191  
Freefone 2122

### Hong Kong

Polaroid (Far East) Ltd.  
Room 3203-3208, 32nd Floor  
Windsor House  
311 Gloucester Road  
Causeway Bay  
Tel: (5) 7951725

### Italia

Polaroid (Italia) S.p.A.  
Via Piave 11  
21051-Arcisate (Varese)  
Tel: (0332) 47 00 31

### Japan

Nippon Polaroid K.K.  
Mori Bldg. No. 30  
3-2-2 Toranomon  
Minato-ku  
Tokyo (105)  
Tel: (03) 438-8811

### Mexico

Polaroid de Mexico S.A. de C.V.  
Calle Tres No. 28  
FRACC. IND. ALCE BLANCO  
53370 Naucalpan, Edo. de Mexico  
Tel: (905) 576-1914

### Nederland

Polaroid Nederland B.V.  
Zonnebaan 45  
3606 CH Maarssenbroek  
Tel: 030-43 56 44

Reparaties:

Polaroid (Europa) B.V.  
Markt 24  
7511 GB Enschede

### New Zealand

Polaroid New Zealand Ltd.  
Augustus House  
15 Augustus Terrace  
Parnell, Auckland 1  
Tel: 771-682

Mailing address:

P.O. Box 37-046  
Parnell  
Auckland 1

### Norge

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Industriveien 8B  
Postboks 80  
1473 Skårer  
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### Österreich

Polaroid Ges.m.b.H.  
Postfach 66  
Eitnergasse 13  
1233 Wien  
Tel: (0222) 86 43 46

### Panama

Polaroid Interamerican, S.A.  
P.O. Box 2167  
Colon Free Zone  
Tel: 45-1722

### Puerto Rico

Polaroid Caribbean Corporation  
Edificio Centro de Seguros  
Ponce de Leon 701, Miramar  
Santurce 00904  
Tel: (809) 725-6240

### Schweiz/Suisse/Svizzera

Polaroid A.G.  
Hardturmstrasse 133  
8037 Zürich  
Tel: (01) 277-72-72

### Sverige

Polaroid AB  
Ekholmsvägen 34  
Box 204  
127 24 Skärholmen  
Tel: 08/710 08 50

In addition to the Service Centers listed here, there are approved Service Centers within the United States as well as in many other countries. To locate the one closest to you, contact the nearest Polaroid Office, above.

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