

Instruction Book For
G-200-LC
Standard Model (110 /120Vac)



The
POWER *In*
PRESENTATION PRODUCTS



DA-LITE SCREEN COMPANY, INC.

3100 North Detroit Street
Post Office Box 137
Warsaw, Indiana 46581-0137
Phone: 219/267-8101
800-622-3737
Fax: 219/267-7804
[http:// www.da-lite.com](http://www.da-lite.com)
e-mail: info@da-lite.com

The "Safeguards" statement reproduced below is in accordance with Underwriters Laboratories "Standard for Safety, UL 122, Photographic Equipment."

IMPORTANT SAFEGUARDS®

When using your photographic equipment, basic safety precautions should always be followed, including the following:

1. Read and understand all instructions.
2. Close supervision is necessary when any appliance is used by or near children. Do not leave appliance unattended while in use.
3. Care must be taken as burns can occur from touching hot parts.
4. Do not operate appliance with a damaged cord or if the appliance has been dropped or damaged—until it has been examined by a qualified serviceman.
5. Do not let cord hang over edge of table or counter or touch hot surfaces.
6. If an extension cord is necessary, a cord with a suitable current rating should be used. Cords rated for less amperage than the appliance may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.
7. Always unplug appliance from electrical outlet when not in use. Never yank cord to pull plug from outlet. Grasp plug and pull to disconnect.
8. Let appliance cool completely before putting away. Loop cord loosely around appliance when storing.
9. To protect against electrical shock hazards, do not immerse this appliance in water or other liquids.
10. To avoid electric shock hazard, do not disassemble this appliance, but take it to a qualified serviceman when some service or repair work is required. Incorrect reassembly can cause electric shock hazard when the appliance is used subsequently.

SAVE THESE INSTRUCTIONS

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ASSEMBLY INSTRUCTIONS (FIG. 1)

The G-200-LC overhead projector comes packaged in two basic assemblies—the projection light box and the post - head assembly. Instructions for assembly are as follows:

1. Remove two 1-1/4" (32mm) screws from the square post.
2. Insert the post and head assembly into the projection box.
3. Align holes in post with the holes on the side of the projection box. Insert screws and tighten.

The G-200-LC is now ready for operation.

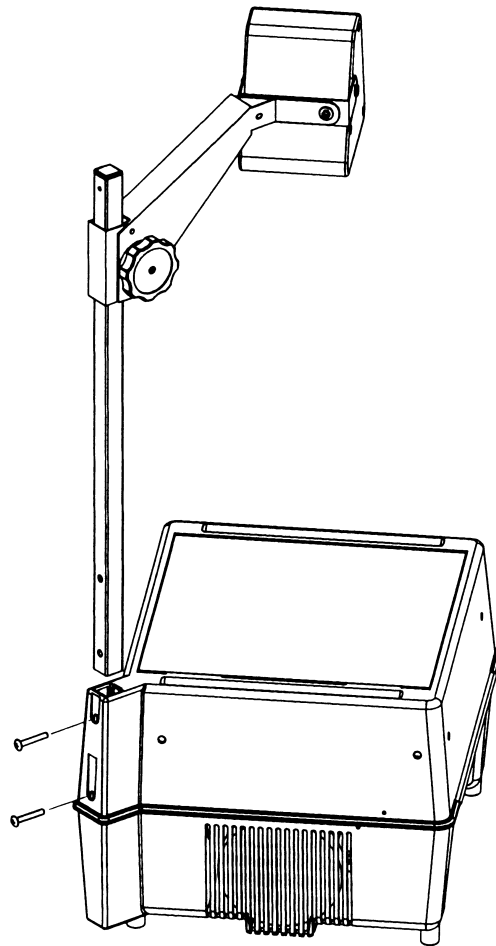


FIG. 1

OPERATING INSTRUCTIONS

1. Set the projector, with the switch facing the screen, on a projection table. Make sure the projector is placed at a projection distance consistent with the size of the screen, as indicated in the projection table on page 2.
2. Connect the power cord to a suitable grounded electrical outlet (refer to nameplate for electrical requirements.)
3. Turn on the switch.
4. Place projection copy on projection stage.
5. Raise or lower image on screen by tilting top portion of projection head. (Do not touch lens elements.)
6. Focus image on screen by turning the focusing knob, which raises or lowers the projection head.
7. To turn off the projector, simply push the switch down.
8. The G-200-LC is supplied with a safety thermal switch to prevent fresnel or light box overheating. In the event of motor malfunction or tampering, the G-200-LC lamp will shut off automatically due to temperature rise. (UL listed system.)

LAMP REPLACEMENT

CAUTION: LAMP CAN BE EXTREMELY HOT!

1. Allow the overhead projector to run for four or five minutes after the lamp burns out. The fan should cool the burned out lamp and prevent injury when you attempt to replace the lamp.
2. Turn off the projector and disconnect the power cord from the electrical outlet. Although the G-200-LC is equipped with a safety interlock switch that cuts off current when the projection stage is lifted, it is considered an additional safety precaution to disconnect the power cord.
3. Remove the cover lock screw on the side of the unit and lift up the cover to expose the inside of the projector. The bracket located near the cooling fan will hold the lid open (A) (see Fig.2).
4. Hold bulb by the ceramic base and pull it out of the socket (see Fig. 2).
5. To install a new lamp, hold lamp by the ceramic base and insert the two pins on the lamp into the matching holes in the socket.

NOTE: Make sure the lamp is pushed into the socket completely, otherwise the filament of the lamp will not be properly located.

6. Close the projector lid, see Fig. 3.
 1. Lift up slightly on lid.
 2. Pull up on bracket.
 3. Lower lid.

NOTE: Replace lamp with type EYB 360 watt 82 volt bulb only.

CLEANING AND MAINTENANCE

The G-200-LC overhead projector needs minimal maintenance to keep it operating in peak condition. It is only necessary to keep the optical elements clean and to replace lamps when necessary. Remove dust from optical elements with a soft, lint-free cloth.

If the elements are very soiled, carefully remove them and clean with lens tissue or a soft, water-dampened, lint-free cloth. Dry thoroughly with a lint-free cloth. Remove dust from the reflector every time the lamp is changed.

LAMP CHANGER INSTRUCTIONS

Uninterrupted service during presentation is permitted with the lamp changer which allows you to switch from a burned out lamp to a new one, merely by sliding a lever on the outside of the case (see Fig. 4).

To use lamp changer, turn power switch "off". Slide lamp changer lever to the opposite extreme position. Turn power switch "on".

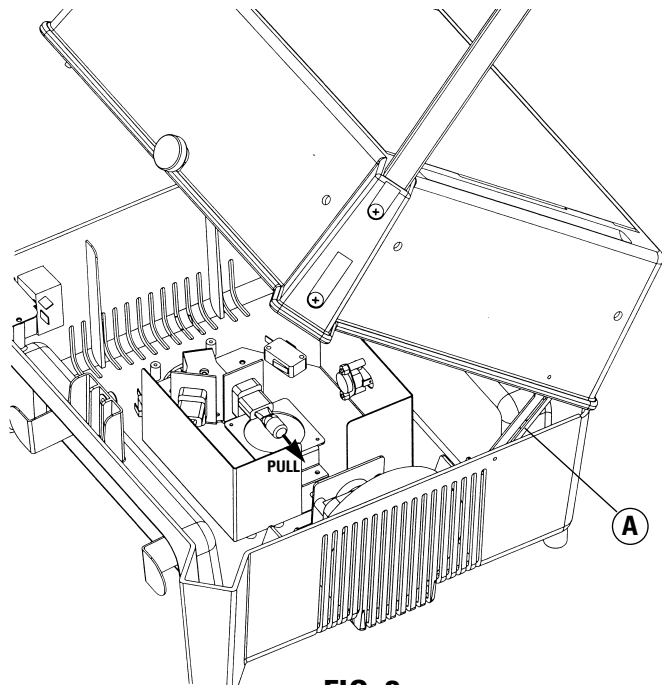


FIG. 2

G-200-LC Projection Table

| Projection Distance* (Feet) | 6 | 7 | 8 | 9 | 10 | 11 |
|---|---------|---------|---------|---------|---------|---------|
| Size of Screen Image from 10" x 10" slide (inches)** (14" lens) | 46 x 46 | 55 x 55 | 63 x 63 | 72 x 72 | 80 x 80 | 89 x 89 |

*Distance is measured from front of projector to screen.

**All dimensions are $\pm 5\%$.

TROUBLESHOOTING

| CONDITION | CAUSE | REMEDY |
|------------------------|--|---|
| 1. Picture not square. | <p>(a) Projector not facing screen squarely.</p> <p>(b) Head to arm adjustment not correct.</p> <p>(c) Copy not square.</p> <p>(d) Elevated image on screen (key-stone).</p> | <p>(a) Move projector to face screen squarely.</p> <p>(b) Adjust projector to face screen squarely. Loosen the 2 screws holding the head to the arm and tilt head until screen image is parallel with floor. Tighten screws. NOTE: Before making this adjustment be sure the projector is level with the floor.</p> <p>(c) Correct the copy.</p> <p>(d) Slope top of screen toward the projector.</p> |
| 2. Fan not turning. | Shaft stuck. Oil in bearings congealed. | Spin fan blade to loosen shaft in self-aligning bearings. |

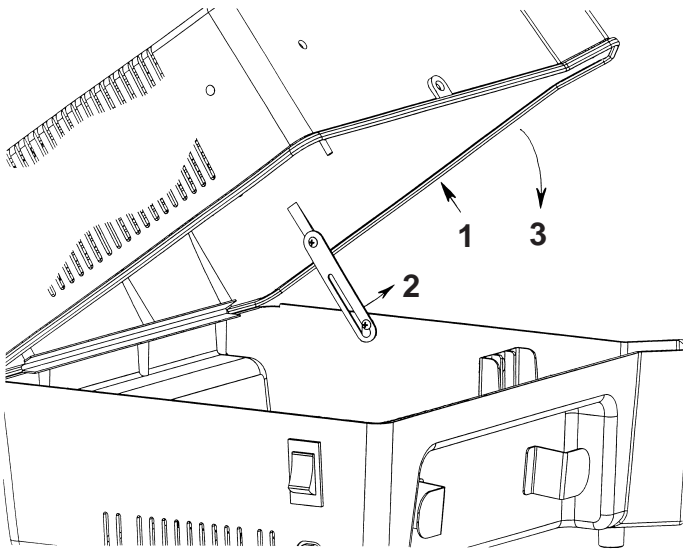


FIG. 3

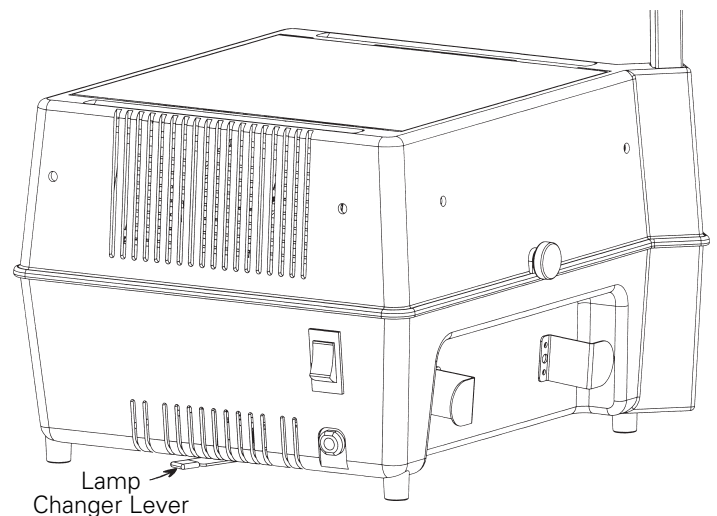


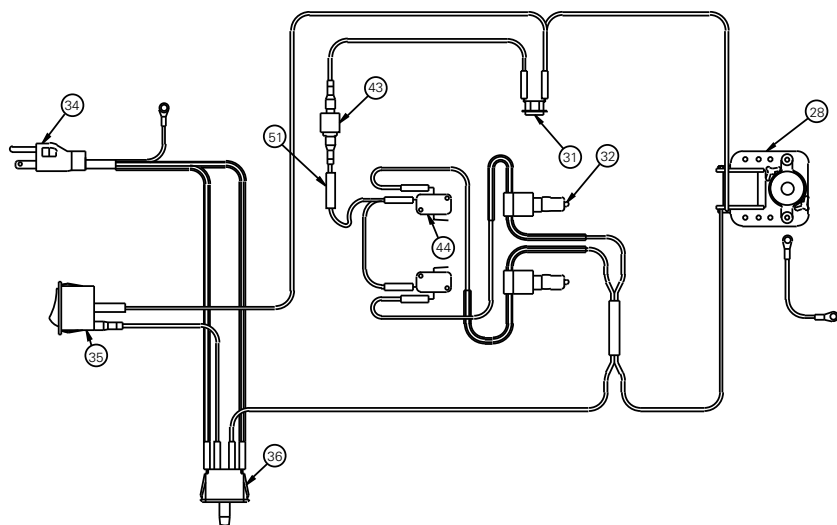
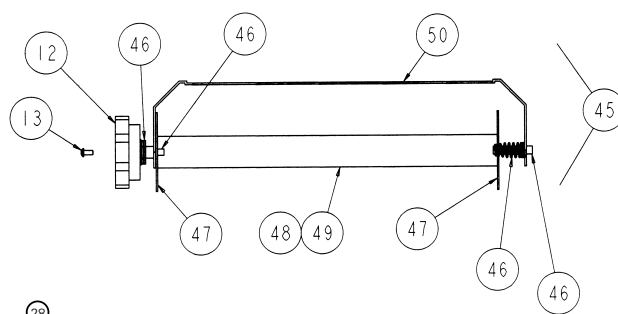
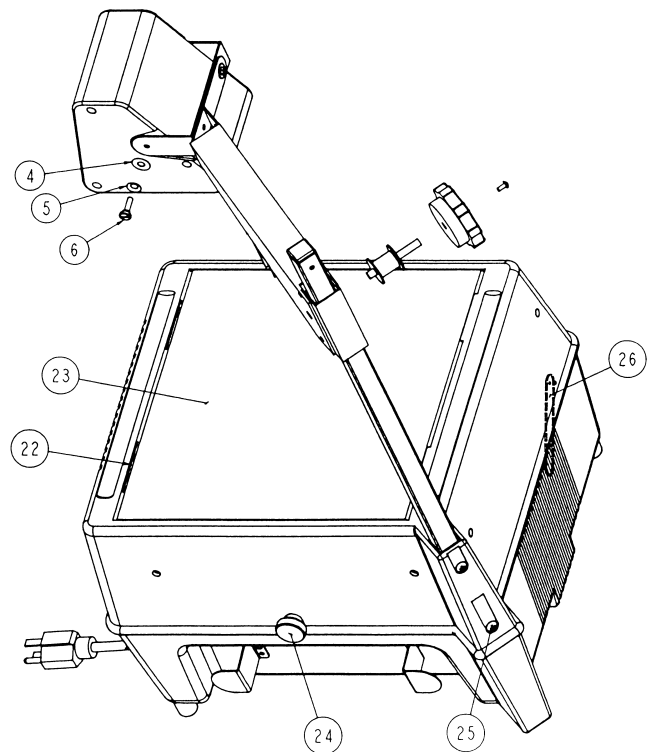
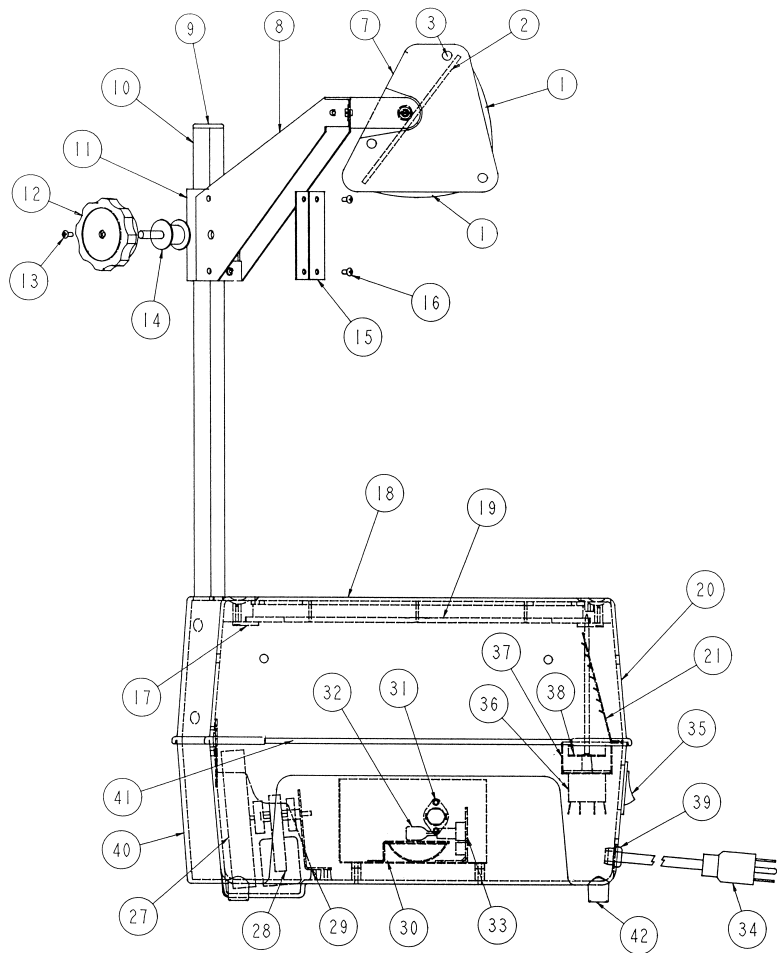
FIG. 4

G-200-LC REPLACEMENT PARTS

| REF. NO. | DESCRIPTION | QTY/ UNIT | DA-LITE NUMBER |
|----------|--|-----------|----------------|
| 1 | Lens, proj 14" F 3.5 D | 2 | 51639 |
| 2 | Front surface mirror | 1 | 76715 |
| 3 | Screws for head assembly | 3 | 77092 |
| 4 | Nylon washer | 2 | 50948 |
| 5 | Bow washer | 2 | 77095 |
| 6 | Shoulder bolt for head pivot | 2 | 77096 |
| 7 | Head and arm assembly | 1 | 77976 |
| 8 | Arm assembly only (part of #7) | 1 | 59398 |
| 9 | Square post plug, black | 1 | 51288 |
| 10 | Post assembly | 1 | 77975 |
| 11 | Focus yoke assembly (part of #8) | 1 | 59495 |
| 12 | Focus knob (part of #8) | 1 | 60077 |
| 13 | Screw for focus knob (part of #8) | 1 | 50637 |
| 14 | Focus shaft assembly (part of #8) | 1 | 59395 |
| 15 | Friction spring (part of #8) | 2 | 49192 |
| 16 | Screw for friction spring (part of #8) | 2 | 52703 |
| 17 | Flush retainer for fresnel lens | 6 | 77888 |
| 18 | Cover & fresnel assembly | 1 | 77974 |
| 19 | Fresnel lens | 1 | 51659 |
| 20 | Plastic cover | 1 | 77999 |
| 21 | Light shield | 1 | 77982 |
| 22 | Glass retainer clip | 2 | 77866 |
| 23 | Cover glass | 1 | 77992 |
| 24 | Knob, black cover lock | 1 | 51227 |
| 25 | Screw to secure post to cover | 2 | 77990 |
| 26 | Stop bracket | 1 | 77981 |
| 27 | Impeller (fan blade) | 1 | 77986 |
| 28 | Fan motor assembly, 120V | 1 | 77971 |

| REF. NO. | DESCRIPTION | QTY/ UNIT | DA-LITE NUMBER |
|----------|---|-----------|----------------|
| 29 | Motor mounting bracket | 1 | 77966 |
| 30 | Lamphouse assembly | 1 | 82467 |
| 31 | Thermal switch, overheat safety | 1 | 51551 |
| 32 | Projection lamp, EYB 360W 82V | 2 | 79523 |
| 33 | Lamp bracket assembly | 1 | 82453 |
| 34 | Cord set | 1 | 60001 |
| 35 | Rocker switch, 12.5 amp tungsten | 1 | 74357 |
| 36 | Micro switch (shuts off when lid is opened) | 1 | 51541 |
| 37 | Micro switch box | 1 | 77984 |
| 38 | Micro switch actuator plate | 1 | 72557 |
| 39 | Strain relief bushing | 1 | 51506 |
| 40 | Plastic base | 1 | 77969 |
| 41 | Black piano hinge | 1 | 77849 |
| 42 | Brown rubber bumper | 4 | 45626 |
| 43 | Diode, Rectifier | 1 | 51606 |
| 44 | Push switch, SPDT | 2 | 51542 |
| 45 | Roll attachment (optional) | 1 | 42168 |
| 12 | Knob w/insert | 1 | 60077 |
| 13 | Screw, mach #6-32 x 1/2" | 1 | 50637 |
| 46 | Hardware package for roll attachment | 1 | 74744 |
| 47 | Disc washer, 2-1/2" Dia. | 2 | 49209 |
| 48 | Take up spool | 1 | 51163 |
| 49 | Acetate roll (optional) | 1 | 42159 |
| 50 | Roll attachment frame assembly | 1 | 78239 |
| 51 | Resistor, ceramic 20W | 1 | 51596 |
| | Accessory dust cover | 1 | 42173 |

NOTE: For any parts not listed, send complete description. Parts not returnable for credit or exchange. Prices subject to change without notice. Shipments F.O.B. Warsaw, IN.



LIMITED ONE YEAR WARRANTY ON DA-LITE OVERHEAD AND OPAQUE PROJECTORS

(Applicable in U.S.A., outside U.S.A. see local distributor)

Da-Lite projectors (except lamps) are warranted against defects in material and workmanship for a period of one (1) year from the date of purchase by the original purchaser provided they are properly operated according to Da-Lite's instructions and are not damaged due to improper handling or treatment after shipment from the factory.

This warranty does not apply to equipment showing evidence of misuse, abuse, or accidental damage, or which has been tampered with or repaired by persons other than authorized Da-Lite personnel.

Da-Lite's sole obligation under this warranty shall be to repair or to replace (at Da-Lite's option) the defective part of the merchandise. Returns for service should be made to your Da-Lite dealer. If it is necessary for the dealer to return the machine or part to Da-Lite, transportation expenses to and from Da-Lite are payable by the purchaser and Da-Lite is not responsible for damage in shipment. To protect yourself against damage or loss in transit, insure the product and prepay all transportation expenses. Allow at least six weeks for correction of the defect.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING

WARRANTIES AS TO FITNESS FOR USE AND MERCHANTABILITY. Any implied warranties for fitness for use, or merchantability, that may be mandated by statute or rule of law are limited to the one (1) year warranty period. This warranty gives you specific legal rights, and you may also have other rights which vary from state-to-state. NO LIABILITY IS ASSUMED FOR EXPENSES OR DAMAGES RESULTING FROM INTERRUPTION IN OPERATION OF EQUIPMENT, OR FOR INCIDENTAL, DIRECT, OR CONSEQUENTIAL DAMAGES OF ANY NATURE.

In the event that there is a defect in materials or workmanship of our audio-visual product, you may contact our Customer Service Department at P.O. Box 137, Warsaw, Indiana 46581-0137 (219/267-8101).

IMPORTANT: THIS WARRANTY SHALL NOT BE VALID AND DA-LITE SHALL NOT BE BOUND BY THIS WARRANTY IF THE PRODUCT IS NOT OPERATED IN ACCORDANCE WITH DA-LITE'S WRITTEN INSTRUCTIONS.

Keep your sales receipt to prove the date of purchase and your original ownership.

IMPORTANT! KEEP THIS INFORMATION HANDY FOR FUTURE REFERENCE

(Applicable in U.S.A., outside U.S.A. see local distributor)

SERVICE INFORMATION

A Return Authorization is required for ALL service work, whether the unit is in or out of warranty. Da-Lite will need the model and serial number in order to issue the Return Authorization.

If the unit is an obsolete model, you will be advised before you ship the unit, whether or not Da-Lite can make the repair.

Address your request for a Return Authorization to: Customer Service Department, Da-Lite Screen Company, Inc., P.O. Box 137, Warsaw, Indiana 46581-0137 or phone 219/267-8101 (Fax 219/267-7804).

Should you need service for your Da-Lite equipment after the warranty has expired, contact your local dealer. If it is necessary for the dealer to return the machine or part to Da-Lite, transportation expenses to and from Da-Lite are payable by the purchaser and Da-Lite is not responsible for damage in shipment. Pack the product in a sturdy box with plenty of protective packing material. To

protect yourself against damage or loss in transit, insure the product and prepay all transportation expenses. Da-Lite will refuse collect shipments. Allow at least six weeks for correction of the defect.

ENCLOSE complete information showing your name and address, what is wrong with the equipment, and the return shipping address. Tape the information to the equipment to be sure it does not get separated during the repair.

ADDRESS the package to the address shown on your Return Authorization.

CHARGES. If Da-Lite determines it will cost over 33% of current suggested retail price, you will be contacted for written approval of the estimated charges before the repair is made.

PAYMENT. When unit is repaired, it will be returned C.O.D. for cost of repair and shipping charges unless other arrangements have been made in advance.