

**THIS REFLECTOR TRIM MUST BE INSTALLED  
IN LIGHTOLIER'S 1102P1 FRAME-IN-KIT WITH ROTO CLIPS**

INSTRUCTION SHEET NO.

**IS:1152-A**  
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**READ AND UNDERSTAND THESE INSTRUCTIONS BEFORE INSTALLING FIXTURE.**

This fixture is intended for installation in accordance with the National Electrical Code and local regulations. To assure full compliance with local codes and regulations, check with your local electrical inspector before installation. To prevent electrical shock, turn off electricity at fuse box before proceeding.

**Retain these instructions for maintenance reference.**



FIG. A  
1. FRAME-IN



FIG. B  
2. ROTATE CLIPS

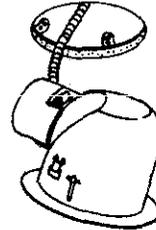


FIG. C  
3. SNAP-ON



FIG. D  
4. PUSH-UP

**WARNING—(RISK OF FIRE) DO NOT INSTALL INSULATION WITHIN 3 INCHES OF FIXTURE SIDES OR WIRING COMPARTMENT, NOR ABOVE FIXTURE IN SUCH A MANNER TO ENTRAP HEAT.**

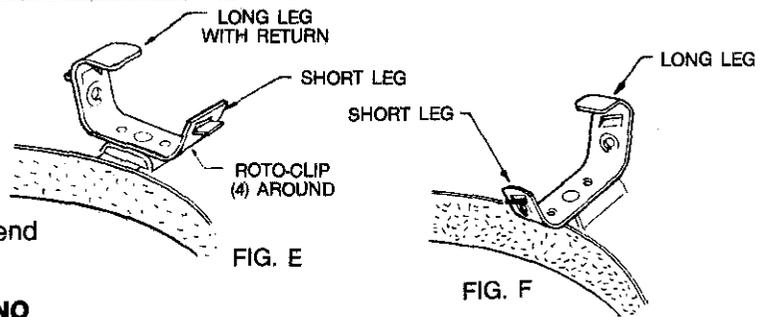
**1. FRAME-IN (Fig. A)**

See Frame-In-Kit Instruction Sheets IS-1102, for installation procedure.

**2. ROTATE ROTO-CLIPS (Fig. B)**

Rotate (4) ROTO CLIPS so that the short legs extend inwardly toward the center opening (Fig. F).

**NOTE: The SHORT LEG of the ROTO CLIP has NO return on top. (Fig. E & F).**



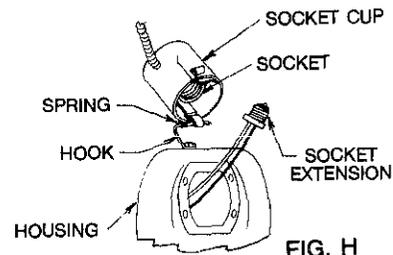
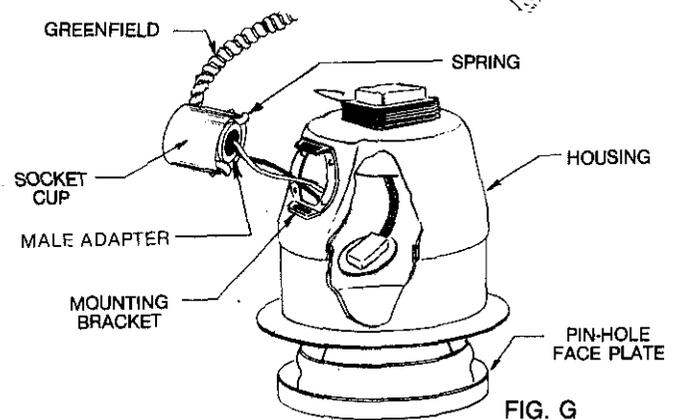
**TRIM INSTALLATION**

3. Remove PINHOLE FACE PLATE from HOUSING by inserting fingers in aperture and pull apart from HOUSING (Fig. G).

4. Insert HOOK in ear of SPRING on SOCKET CUP and let HOUSING hang down (Fig. H). Screw SOCKET EXTENSION (MALE ADAPTER) into SOCKET in SOCKET CUP.

5. Disengage HOUSING from SOCKET CUP by pulling HOOK out of SPRING ear (Fig. G). Insert SOCKET CUP between tabs on MOUNTING BRACKET, making sure SPRINGS snaps into slots of MOUNTING BRACKET (Fig. C).

6. Tilt HOUSING and insert SOCKET CUP into ceiling opening on side opposite junction box, pivot HOUSING and push it up into ceiling until flange on HOUSING is flush to ceiling (Fig. D).



U.S. PATENT NO. 4,039,822, 4,313,154 and 4,327,403.  
FOREIGN PATENTS PENDING.

**SEE BACK FOR LAMP INSTALLATION AND ADJUSTMENT**

**LIGHTOLIER®** SECAUCUS, NEW JERSEY, 07096  
MONTREAL, QUEBEC, CANADA

# INSTALLATION OF LYTECASTER REFLECTOR TRIM IN THE 1102 FRAME-IN-KIT WITH ROTO CLIPS

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## TRIM INSTALLATION (Cont,d)

### INSTALL LAMP

**NOTE:** Socket manufactures have suggested that socket may fall after 3 to 6 relampings. If this occurs socket can be replaced by disconnecting male connectors (attached to socket leads) from female connectors (attached to fixture leads) and replacing it with a socket procured through Lightolier, see Fig. I.

7. Remove LAMP RING from LAMP/YOKE HOLDER by pulling straight down (Fig. J).
8. Insert LAMP (MR-16 Bulb) between LAMP SPRINGS until face of bulb sits firmly on GLASS LAMP GUARD (Fig. K).
9. Attach SOCKET to bi-pin prongs on LAMP (Fig. K). (**NOTE:** No polarity of pins required).
10. Insert LAMP RING with LAMP and GLASS LAMP GUARD attached back into LAMP/YOKE HOLDER.

### VERTICAL/ANGLE ADJUSTMENT AND LOCK

11. Insert a screwdriver into the LOCKING GUIDE on the LAMP/YOKE HOLDER, and locate the slot in the VERTICAL ADJUST/LOCK SCREW, turn the SCREW, counterclockwise, and using the screwdriver as a lever, tilt the entire LAMP/YOKE HOLDER to the desired angle. Once the desired angle is reached, tighten screw by turning screwdriver clockwise until snug tight.

### HORIZONTAL ADJUST AND LOCK

12. The entire LAMP/YOKE HOLDER can be horizontally rotated to aim the angle of light through the hole in the FACE PLATE TRIM (Fig. K). This can be done by racking off the HORIZONTAL ADJUST/LOCK SCREW one full turn freeing the SUPPORT PLATE (Fig. K). Grasping the YOKES on either side of the LAMP/YOKE HOLDER, rotate the SUPPORT PLATE to the desired angle, and lock the position by tightening the HORIZONTAL ADJUST/LOCK SCREW. Replace INSERTS.

13. Insert PINHOLE FACEPLATE.

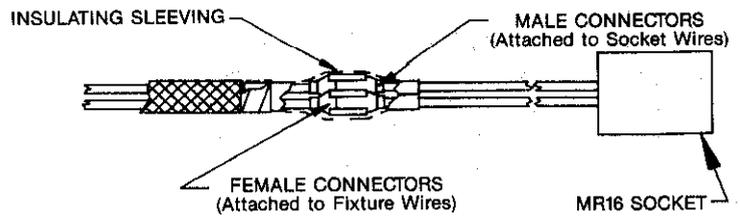


FIG. I

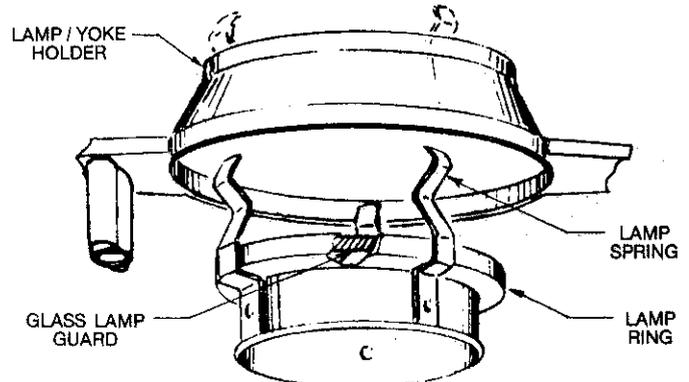


FIG. J

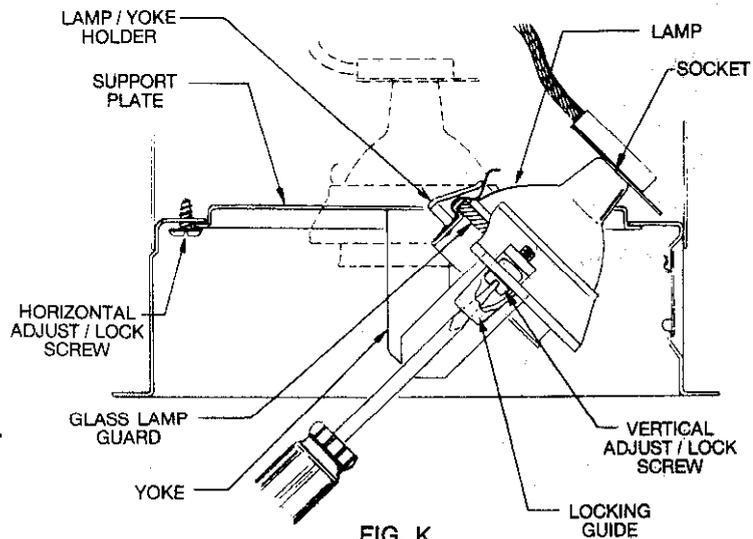


FIG. K

**RELAMPING:** The locking mechanisms in this fixture allow relamping without having to readjust and relock. Follow Steps 7-10 and 13.

**NOTE:** 1. **LOW VOLTAGE FIXTURES** should be dimmed only with special dimmers intended specifically for that purpose. Use Lightolier Lytemode, Scenist, Crescendo VA, Neptune VA, Precision VA, Easyset VA, Sunrise VA, Radiant VA or equivalent products by others or variable auto-transformers or electronic dimmers intended for use with low voltage fixtures. 2. Low voltage fixtures may produce audible sound when used with dimmers which may be objectional in acoustically critical areas.

**WARNING:** 1. LAMP MANUFACTURERS REQUIRE THE GLASS LAMP GUARD BE IN PLACE BEFORE ENERGIZING LAMP, AND THAT GREAT CARE MUST BE TAKEN THAT LAMP IS FULLY COOLED BEFORE RELAMPING. AVOID FINGER MARKS ON INSIDE OF LAMP FOR THEY MAY CAUSE SHORT LAMP LIFE AND POSSIBLE BREAKAGE. 2. USE ONLY REFLECTOR TRIMS PROVIDED BY LIGHTOLIER INC. USE OF OTHER MANUFACTURER'S REFLECTOR TRIMS VOIDS THE UNDERWRITERS LABORATORIES LISTING AND COULD CONSTITUTE A FIRE HAZARD.