INSTRUCTIONS PROCEDURE FOR LOW VOLTAGE FRAME-IN KIT WITH REMOTE TRANSFORMER

READ AND UNDERSTAND THESE INSTRUCTIONS BEFORE INSTALLING FIXTURE.

This fixture is intended for installation in accordance with the National Electrical Code or 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.

NOTE: FRAME-IN KIT IS PROVIDED WITHOUT TRANSFORMER. TRANSFORMER MUST BE PROVIDED BY OTHERS. LIGHTOLIER CAT #8608 AND 8609 TRANSFORMERS MAY BE USED.

CAUTION: THIS FRAME-IN KIT IS RATED AT 42VA. USE ONLY 12V. A.C. INPUT.

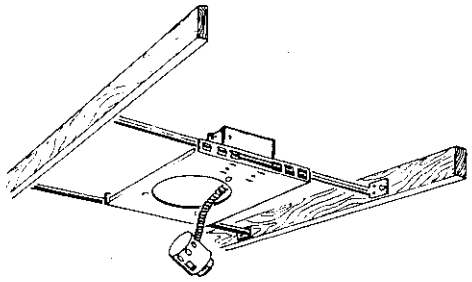

FIG. A
1. FRAME-IN

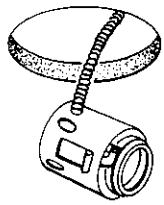

FIG. B
2. CLOSE-IN

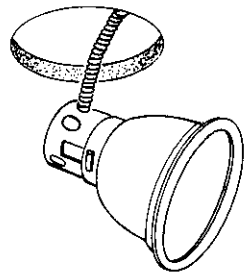

FIG. C
3. SNAP-ON

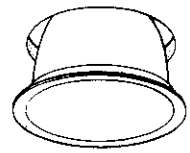

FIG. D
4. PUSH-UP

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)**
   Fasten MOUNTING FRAME to wood joist. Line up bottom edge of ADJUSTABLE MOUNTING BAR with bottom of wood joist (Fig. E). Wire fixture leads to secondary (12v.) transformer leads. Connect bare fixture wire to supply ground. Use wire nuts (local hardware items). Place all electrical connections in the J-box. Attach J-box cover on to J-box. (For cable, use built in cable clamp in J-box).

   NOTE: ADJUSTABLE MOUNTING BARS can be extended for 24" mounting. For suspended ceiling, make certain that the bottom of MOUNTING FRAME is no higher than 1" above ceiling line (Fig. F).

2. **CLOSE-IN (Fig. B)**
   Install plasterboard or other dry type ceiling, as required. Hole in board must be cut either on the ground or after the board is nailed to the ceiling, using MOUNTING FRAME opening as a cutting guide. (Make sure ROTO-CLIPS are rotated out of hole area to be cut.)

   NOTE: For wet plaster ceiling, use Plaster Ring Accessory No. 1959 (order separately).

3. **SNAP-IN (Fig. C).**
4. **PUSH-UP (Fig. D).**

SEE SEPARATE REFLECTOR TRIM INSTRUCTION SHEETS.

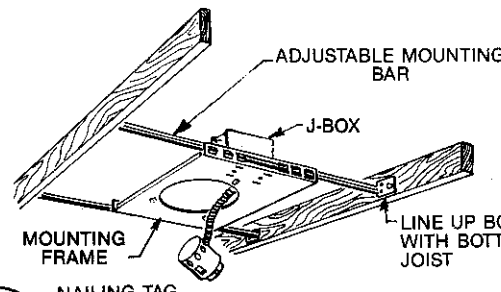

FIG. E

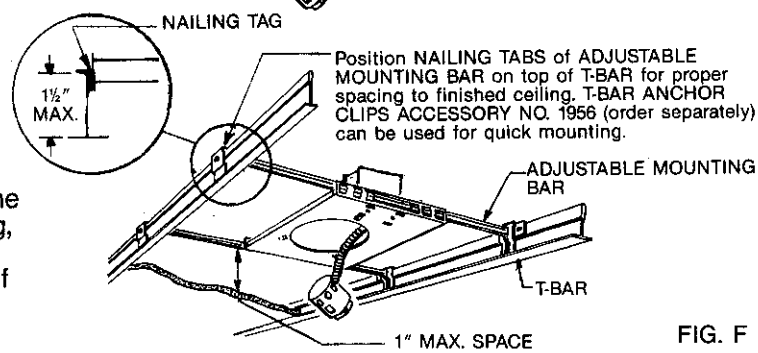

FIG. F

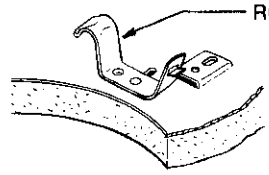

FIG. G

SEE BACK PAGE FOR LAMPING INSTRUCTIONS.

LAMPING

NOTE: Socket manufacturers have suggested that socket may fail 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 new socket procured through Lightolier (Fig H.).

1. Make sure that power is OFF when lamping or relamping. Remove LAMP RING from SOCKET CUP by pulling straight down.
2. Insert LAMP (MR-16) between LAMP SPRINGS until face of lamp sits firmly on GLASS LAMP GUARD (Fig. I).
3. Attach SOCKET to bi-pin prongs on LAMP.
4. Insert LAMP RING with LAMP and GLASS LAMP GUARD back into SOCKET CUP.

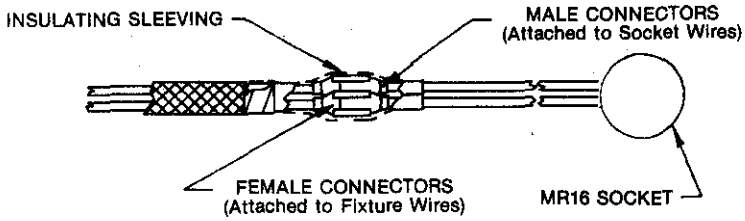

FIG. H

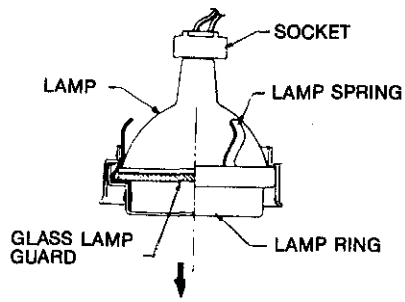

FIG. I

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.

AIMING ANGLE ADJUSTMENT (Fig. J)

1. For vertical adjustment, insert blade of screwdriver into the open slot of YOKE.
2. Using the screwdriver as a lever, tilt the entire LAMP HOLDER to the desired angle.
3. For horizontal adjustment, rotate the LAMP HOLDER.

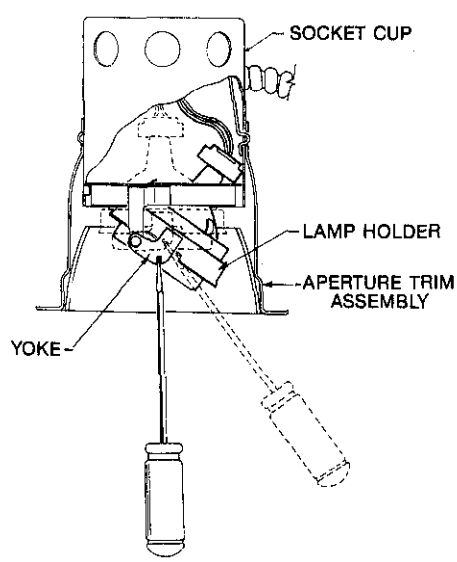

FIG. J

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 autotransformers 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.

NOTE: Follow the max. wire length recommended below to minimize voltage drop. Voltage drop will affect the brightness and color of the light.

WIRE GA.	WIRE LENGTH (FT.)
18	11
16	17
14	28
12	45