

## MBL & MBM Installation & Safety Procedures

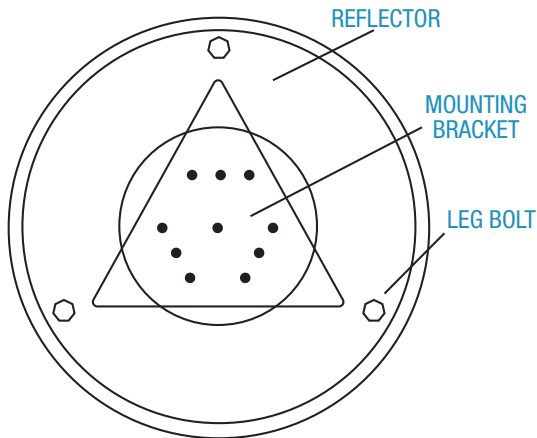


Diagram 1

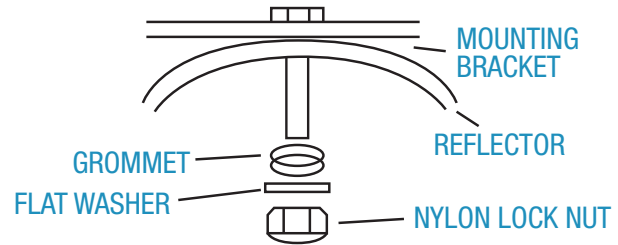


Diagram 2

### Install Instructions

Flush mount brackets (models MBM and MBL) are normally installed at the factory. If they are ordered separately, it will be necessary to drill three holes in the loudspeaker's reflector to mount the bracket. Recommended hole size for the three mounting holes is:

- 1/2" diameter for model **Q-12A** (or any model loudspeaker with a 26" reflector that requires the MBL mounting bracket)
- 3/8" diameter for model **Q-8** (or any model loudspeaker with a 20" reflector that requires the MBM mounting bracket)

### Diagram 1

1. With the back of the reflector facing up, place the studs of the mounting bracket against the reflector. Center the mounting bracket on the reflector by lining up the three corners of the bracket with the leg bolts and equalize the distance between the studs and the bolt heads.
2. Mark the reflector where the bracket studs contact it.
3. Drill a small hole at each of the three marks (approx 3/16" or less).
4. Check the hole alignment with the bracket studs. If the studs are centered on the holes, drill out the holes with a drill of the appropriate diameter, as indicated above. If not, properly locate the small hole(s).

**CAUTION:** To avoid splintering the fiberglass or chipping the gelcoat, run the drill at a slow speed and feed the bit with a very light pressure. Be very careful not to hit the speaker cone with the drill.

### Diagram 2

5. After the bracket has been mounted on a surface, place the reflector on the studs and attach the grommet, flat washer, and nylon lock nut. Tighten the nut only enough to "snug up" the unit and provide a vibration free assembly.

**NOTE:** If you are installing a Q-12A or Q-MB with a TX-250 transformer mounted on the reflector, use the 9 1/4" thick rubber spacer washers, three on each stud, to provide adequate clearance between the mounting bracket and the transformer.

## WARNING

Be sure to securely tighten all hardware before hanging the loudspeaker. Wire rope (steel cable), cable clamps with saddles and thimbles of suitable size and strength are the recommended materials for overhead suspensions. All loudspeakers should be redundantly safety wired to structural members of the building with an approved safety wire system or other agency certified materials.

**IMPORTANT:** Always check local safety codes before installing any overhead loudspeaker system and for periodic inspection and maintenance of the installation.