

Radian Audio Engineering, Inc., manufactures premium replacement diaphragms for a wide variety of JBL® compression drivers designed for use in professional loudspeaker systems utilized in fixed installation and touring applications. Each replacement diaphragm provides high efficiency and accurate reproduction with extended bandwidth. Replacement diaphragms are designed and manufactured to have equivalent or better performance than the original.

Compression domes are precision formed from heat-treated, structural aluminum alloy and bonded to a copper-clad aluminum voice coil with a Kapton® former utilizing proprietary tooling. Aluminum has a higher strength-to-weight ratio than titanium providing low-distortion, high-fidelity response that delivers clear, crisp music and speech for theatrical, auditorium, stadium and church installations.

The suspension utilizes a Mylar® surround, rather than a metal one-piece dome and surround, which enhances the replacement diaphragm's reliability and eliminates fatigue stresses that destroy other compression driver diaphragms. The Mylar® surround also provides good dampening of the voice coil/diaphragm assembly for smooth, low-distortion, linear output with excellent transient response.

To ensure longer diaphragm life, our high temperature voice coil former and advanced adhesives permit each replacement diaphragm to sustain high RMS and peak power levels, equivalent or better than the original.

If necessary, the diaphragm/voice coil assembly may be rapidly replaced in the field. The self-aligning diaphragm assembly assures simple installation and accurate alignment with the same polarity as the original.

Unparalleled power handling, high-frequency performance, reliability and low distortion make Radian premium replacement diaphragms the preferred choice for loudspeaker repair centers, consultants, sound system designers, contractors and engineers worldwide.



- ✓ **AVAILABLE FOR JBL®
1", 1.4", AND 2" DRIVERS**
- ✓ **INDESTRUCTIBLE
MYLAR® SURROUND**
- ✓ **ALUMINUM ALLOY
COMPRESSION DOME**
- ✓ **EDGEWOUND ALUMINUM
VOICE COIL**
- ✓ **HIGH TEMPERATURE
KAPTON® FORMER**

