

## R45 -- Replacement Cartridge

### General Description

The Model R45 is a direct replacement cartridge for Shure UNIDYNE® III Series Microphones in the Model 545 Series and the Model PE54 Series.

### Installing the Replacement Cartridge

To install the R45, proceed as follows:

1. Holding the microphone in an upright vertical or near vertical position, grasp the cartridge case firmly and unscrew (turn counterclockwise) and remove the cartridge case-grille assembly from the microphone (see Figure 1).
2. **Note:** If the cartridge case-grille is firmly locked to the microphone case, use a leather strap wrench to loosen the cartridge case.
3. Unsolder the leads from old cartridge terminals.
4. Connect the leads to the new replacement cartridge. Note the leads colors and terminal coding as in Figure 1.
5. Screw the new cartridge into the microphone case (turn clockwise) AFTER twisting in the opposite direction (counterclockwise) five turns to twist the leads.
6. Tighten the new cartridge case-grille assembly securely to the microphone case using a leather strap wrench if necessary.

