The Shure Model R115 is a replacement cartridge for both the Shure Model 55SH Series II UNIDYNE® and 586 Series UNISPHERE® A dynamic microphones. When properly installed in the microphone, the R115 will provide performance equal to that of the original cartridge.

To install the R115 in either microphone, proceed as follows:

**55SH SERIES II**

1. Remove the four 6-32 x 1/4-inch Phillips head screws securing the die-cast case front to the die-cast case back. Remove the case front.
2. Remove the four 4-40 x 5/16-inch round head screws and lockwashers securing the cartridge assembly to the case back.
3. Carefully withdraw the black plastic cartridge assembly from the case back, taking care not to stretch or break the three leads.
4. Remove the four 7-19 self-tapping Phillips head screws from the rear of the cartridge assembly and remove the rear cover from the housing.
5. Using a low-wattage soldering iron, unsolder the three leads from the cartridge to be replaced.
6. Remove the old cartridge. Keep the aluminum retaining ring.
7. Place the aluminum retaining ring over the rear of the R115 replacement cartridge, and carefully solder the three leads to the cartridge (see Figure 1).  

**586 SERIES**

1. Grasping the ring (nameplate) of the screen and grille assembly, unscrew (turn counterclockwise) and remove the assembly.
2. Carefully withdraw the cartridge from the handle. Take care not to break or stress the leads from the cartridge.
3. Using a low-wattage soldering iron, unsolder the three leads from the cartridge to be replaced.
4. Carefully solder the three leads to the R115 replacement cartridge (see Figure 2).

**55SH INTERNAL CONNECTIONS**

**586 SERIES INTERNAL CONNECTIONS**

**SHURE Incorporated**

SHURE Incorporated http://www.shure.com
United States, Canada, Latin America, Caribbean:
5800 W. Touhy Avenue, Niles, IL 60714-4608, U.S.A.
Phone: 847-600-2000  U.S. Fax: 847-600-1212  Intl Fax: 847-600-6446
Europe, Middle East, Africa:
Shure Europe GmbH, Phone: 49-7131-72140  Fax: 49-7131-721414
Asia, Pacific:
Shure Asia Limited, Phone: 852-2893-4290  Fax: 852-2893-4055