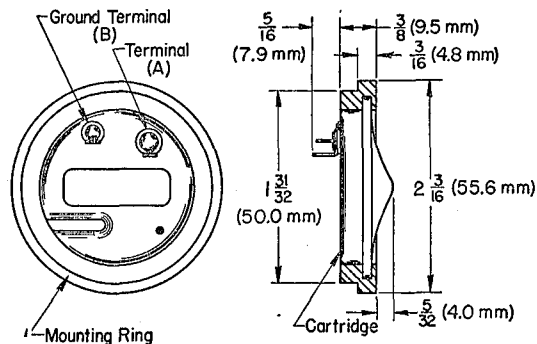


Installation and Connection Instructions for Model R7 Crystal Microphone Replacement Cartridge



The above figure shows the model R7 and its rubber mounting ring. When installed into a microphone, this rubber ring provides isolation from mechanical shocks and handling.

Model R7 may be used as a replacement in the Shure Models 707A, 708A, 718A and similar microphones. Also, model R7 may be used as a replacement in competitive models of such size and shape as will receive the rubber mounting ring. The rubber mounting ring may be modified to fit certain microphone cases by buffing, cutting, etc. to desired size without impairing the performance of the cartridge.

In most instances, a two-wire circuit (single conductor shielded cable) is used to connect the cartridge. The inner or "hot" conductor should be connected to the terminal designated "A" in illustration shown above and the shield or ground conductor should be connected to the terminal designated "B". Care must be taken not to injure the crystal in the cartridge due to applying excessive heat to the terminals when soldering the connecting leads. The cable leads should be cleaned and carefully tinned; then the soldering operation should be performed rapidly with a hot soldering iron. Cool immediately after soldering with swab or cotton soaked in alcohol.

SPECIAL INFORMATION

High Output: 50.0 db below 1 volt per microbar at end of 7 foot (2.1m) cable.

Excellent Frequency Response: 50 to 10,000 cycles per second. Rising high frequency characteristic for maximum intelligibility.

Model R7 utilizes a Bimorph, Rochelle Salt crystal.

Model R7 crystal replacement cartridge is shipped pre-assembled into its rubber mounting ring to facilitate installation.

Guarantee: Each replacement cartridge is guaranteed to be free from electrical and mechanical defects for a period of one year from date of shipment from factory, provided all instructions are complied with fully.

DO NOT EXPOSE TO HIGH TEMPERATURE AND HUMIDITY! DO NOT APPLY HIGH VOLTAGE!

This Shure cartridge is a Rochelle Salt crystal device and should be protected from temperatures above 125° F. (51.6° C) and from excessive humidity. Optimum results will be obtained if the crystal cartridge or microphone is stored in enclosures having a temperature around 80° F. and a humidity of 50%. For replacement in microphones intended to be used under conditions of high temperature and humidity, the Shure "Controlled Reluctance" Model R5 replacement cartridge is recommended. A crystal unit may be seriously damaged if accidentally connected to loud speaker or power outlets carrying high voltage. Check your connections carefully.