

**SHURE****MICROPHONES AND ELECTRONIC COMPONENTS**

AREA CODE 312/328-9000 • CABLE SHUREMICRO

**MODELS  
N75-3, N75-6,  
AND N75E****DATA SHEET  
15° STEREO DYNETIC®  
PHONOGRAPH STYLI****SPECIFICATIONS****M75 CARTRIDGE AND N75 STYLUS SERIES**

Diamond Stylus Replacement	Output Voltage (1,000 cps at 5 cm/sec)	Stylus Grip Color	**Compliance (Vertical, Horizontal, cm per dyne)	Tracking (Grams)	Used in Model
N75-6 Radius: .0006" (.015 mm)	5.9 millivolts	White	20.0 x 10 <sup>-6</sup>	1½ to 3	M75-6
N75E Elliptical Side Contact Radius: .0002" (.005 mm) Frontal Radius: .0007" (.018 mm)	5.7 millivolts	Brown <i>yellow</i>	25.0 x 10 <sup>-6</sup>	¾ to 1½	M75E
N75-3, * Radius: .0025" (.064 mm)	5.9 millivolts	Green	20.0 x 10 <sup>-6</sup>	1½ to 3	M75 Series

\* The N75-3 stylus may be used to reproduce the standard 78 rpm records. In this case, the amplifier should be set to "Monaural" or "A+B."

\*\* Trackability at lowest specified stylus force (in Shure-SME Arm).

400 Hz (cps)—14.3 cm/sec peak velocity

1,000 Hz (cps)—17.4 cm/sec peak velocity

10,000 Hz (cps)— 5.0 cm/sec peak velocity

Higher stylus forces within specified range greatly improve trackability.

**FREQUENCY RESPONSE:** From 20 to 20,000 Hz (cps)

**CHANNEL SEPARATION:** More than 25 db at 1000 Hz (cps)

**RECOMMENDED LOAD IMPEDANCE:** 47,000 ohms per channel

**INDUCTANCE:** 720 millihenries

**D.C. RESISTANCE:** 630 ohms

**MOUNTING:** Standard ½" (12.7 mm) mounting center

**WEIGHT:** 6 grams

**TERMINALS:** 4 terminals

**GENERAL:** The M75 Series of High Trackability Dynetic phono-graph cartridges has been developed for use with all high fidelity amplifiers having magnetic and constant velocity inputs.

Major recording companies now use the 15° effective cutting angle and it is the proposed EIA and RIAA standard in America and DIN and CCIR in Europe.

The M75 Series has been specifically designed to complement the 15° effective cutting angle now being used in newest recordings. It also serves to significantly improve the sound obtained from older discs.

**SHURE-SME MOUNTING INSTRUCTIONS:** To mount the M75 in the Shure-SME Precision Pickup Arm, Model 3009 and 3012, refer to the paragraphs on Cartridge Installation and Balancing in the instruction Manual supplied with the pickup arms.

**OPERATION:** Recommended needle forces for optimum results are listed under "Specifications." Forces greater than the indicated "maximum" should not be used.

*M75*

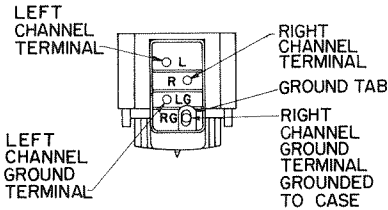
## CONNECTIONS

**4-LEAD STEREO CONNECTION:** Connect "hot" lead of right channel to terminal "R" and shield or ground lead of right channel to terminal "RG." Connect "hot" lead of left channel to terminal "L" and shield or ground lead of left channel to "LG." To prevent "ground loops" and hum, no common connection should be used at cartridge terminals.

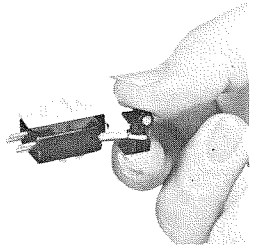
**MONAURAL CONNECTION:** For single channel reproduction of Monaural or Stereo recordings, connect "hot" lead to both "R" and "L" terminals and connect ground or shield lead to both ground terminals marked "RG" and "LG."

**CAUTION:** Do not make solder connections to cartridge terminals. Make all solder connections to terminal jacks provided before slipping them over the terminals.

If hum is experienced when cartridge is installed in a metal head, remove the ground tab from the right ground terminal. (See Figure 1)



TERMINAL DIAGRAM  
FIGURE 1



STYLUS REPLACEMENT  
REPLAZO DE LA AGUJA  
REPLACER L'AIGUILLE  
ERSATZ-ABTASTSTIFT-EINSCHUB  
FIGURE 2

## EASY STYLUS REPLACEMENT

Grasp molded housing of stylus between thumb and forefinger. Gently withdraw stylus by pulling forward out of cartridge. Grasp replacement stylus between thumb and forefinger and insert into stylus socket. Press stylus into socket until the molded housing of the stylus mates with the cartridge case. Care must be taken not to allow the finger to slip off the molded housing of the stylus, resulting in damage to the stylus tip or shank.

**SPECIAL NOTE:** The Dynetic stylus assembly used in these cartridges is the most critical component. To maintain the original performance standards of your cartridge, be certain that any replacement stylus you buy bears the following certification on the package: "This Dynetic stylus is precision manufactured by Shure Brothers, Inc."

Avoid inferior imitations. They will seriously degrade the performance of your cartridge. All genuine "Dynetic" styli are manufactured by Shure Brothers, Inc.

## Guarantee

The Stereo Dynetic Cartridges and Stereo Dynetic Styli are guaranteed to be free from electrical and mechanical defects for one year from the date of shipment from the factory, provided all instructions are complied with fully. The Guarantee does not cover stylus wear, nor does it cover damage to the stylus assembly from abuse or mishandling.

## Service Protection—Accidental Damage

Shure Dynetic Styli will withstand long, continued usage. However, if stylus assembly should be damaged due to accidental mishandling, and diamond tip is still intact, return the stylus assembly to the factory for servicing and testing to original performance standards at a nominal service charge of \$5.50 (N75-3, N75-6) or \$6.00 (N75E). Please enclose a check for the service charge with the returned assembly.)

Return Stylus to:

Service Department  
SHURE BROTHERS, INC.  
222 HARTREY AVENUE  
EVANSTON, ILLINOIS 60204

**PATENT NOTICE:** Manufactured under U. S. Patents 3,055,988, 3,077,521, and 3,077,522. Other patents pending.