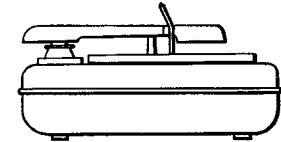
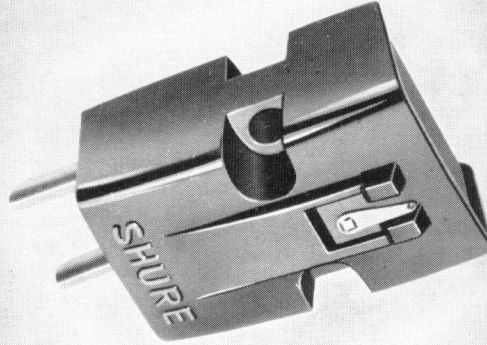


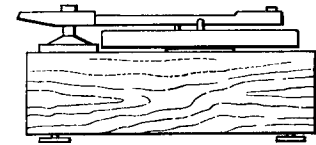
SHURE

MICROPHONES AND ELECTRONIC COMPONENTS

AREA CODE 312/328-9000 • CABLE SHUREMICRO

DATA SHEET**MODELS M5D AND M6S
PROFESSIONAL DYNETIC
CARTRIDGE
(Stylus Models N5D and N6S)****PROFESSIONAL
DYNETIC
PHONO
CARTRIDGES**

For use in Record Changers



For use in Transcription Tone Arms

Specifications

MODEL NO.	USE	STYLUS RADIUS	STYLUS NO.
M5D	Microgroove 33 ¹ / ₃ — 45 R.P.M.	1 Mil (0.025mm) Diamond	N5D
M6S	Standard 78 R.P.M.	2.7 Mil (0.069mm) Synthesized Sapphire	N6S

Response Frequency Characteristic: From 20 to 20,000 Hz. (See Fig. 1) designed to ideally meet the exacting requirements of typical high fidelity reproduction.

Output Voltage: Output at 1000 cycles 21 millivolts for 10 centimeters per second.

Recommended Load Impedance: 27,000 ohms. Higher values will produce a slight increase in high frequency response.

Compliance: 3.0×10^{-6} centimeters per dyne.

Tracking Force: 3 to 6 grams.

Inductance: 350 millihenrys.

D.C. Resistance: 440 ohms.

Weight: .44 ounces. 12.4 grams.

Packaged Weight: 3.3 ounces (95g)

General: The M5 and M6 Professional Dynetic Cartridges have been developed specifically for use in custom high fidelity sets, record changers, and transcription arms. These cartridges have been designed to connect into magnetic and constant velocity inputs.

This new electromagnetic transducer utilizes the same Dynetic principle employed in the Studio Dynetic Cartridge and tone arm assembly. This new electro-mechanical principle uses a moving magnet which provides extreme linearity and freedom from distortion. Since the magnet turns on its vertical axis, it is possible to place the needle tip at the end of a light metallic beam, providing very low needle point mass. The stylus assembly is held in a durable elastomer composition which provides high needle compliance. Vertical compliance at the needle tip is excellent. Because of these factors, needle talk is practically nonexistent. Other important features are:

1. Needle replacement is exceptionally simple and fast. No tools are required.
2. Magnetic induction from external hum fields is reduced to a minimum.
3. No magnetic attraction to steel turntables.

Mounting: The M5 and M6 series cartridges have the standard 1/2" (12.7mm) mounting centers. Two #3-48x5/16" long machine screws are supplied with these cartridges for mounting purposes.

The recommended needle point force is 3 to 6 grams. When replacing magnetic cartridges, adjustment is generally unnecessary. Should it be necessary, adjustment may usually be made by adjusting the counter balance or spring at the rear of the arm.

Connections: The M5 and M6 series cartridges are specifically intended to be connected to preamplifiers having magnetic or constant velocity inputs. The recommended input resistance is 27,000 ohms. Higher values provide increased high frequency response. The gold colored terminal of the cartridge must be connected to the "hot" lead of the tone arm. The "hot" lead can be verified by touching the bare lead or pin jack with a screwdriver or similar tool and the connection that produces a loud hum from the speaker is the "hot" terminal. The silver colored terminal must be connected to the "ground" lead of the arm.

Guarantee: The M5 and M6 Professional Dynetic Cartridges 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 needle wear nor does it cover damage to the needle assembly from abuse or mishandling.

Patent Notice: Manufactured under the following U.S. Patents: D185,168 and 3,055,988.

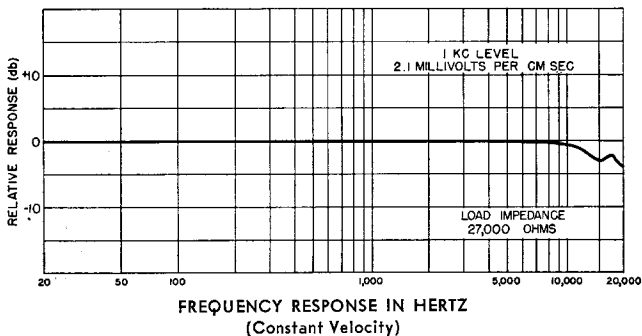


FIGURE 1

Caution

Stylus Replacement: The stylus assembly, when installed in the cartridge is practically immune to damage during normal usage. However, care should be taken to avoid bending or distorting the stylus assembly when it is installed or removed.

Stylus replacement is exceptionally simple and fast. See Figure 2. No tools are required. To replace (Step 1) —Insert fingernail under the lip at the REAR of stylus shank. (NOT AT THE TIP). Start to withdraw stylus by pulling with fingernail straight out of cartridge. (Step 2) —Lift completely out with thumb and forefinger. (Step 3) —Grasp new stylus between thumb and forefinger and insert into stylus socket in the cartridge with the stylus tip pointing forward in approximate playing position. (Step 4) —Press stylus into socket until it is firmly seated. Apply pressure at rear portion of the shank. (NOT AT THE TIP). The cartridge bearings establish the proper orientation of the needle when inserted in the above manner.

SPECIAL NOTE: Because the stylus-magnet assembly plays such an extremely important part in the overall performance of the professional dynetic phono cartridge, be certain that any replacement stylus is a genuine Shure "Professional Dynetic" Stylus.

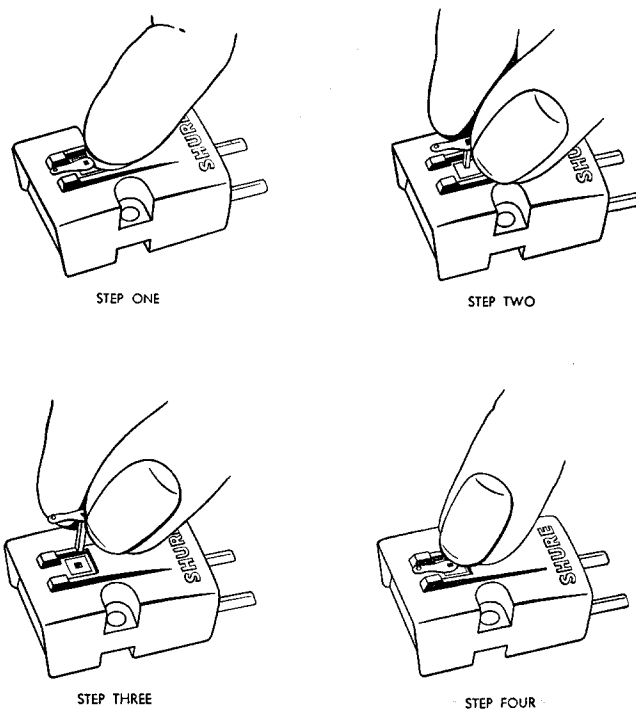


FIGURE 2

