

SHURE**MICROPHONES AND ELECTRONIC COMPONENTS**

AREA CODE 312/328-9000 • CABLE SHUREMICRO

**DU10 M75E
TYPE 2****HI-TRACK****DATA SHEET
STEREO DYNETIC
PHONOGRAPH CARTRIDGE
HEAD ASSEMBLY****SPECIFICATIONS****MODEL SL95-M75E TYPE 2
MODEL DU10-M75E TYPE 2**

FREQUENCY RESPONSE:	From 20 to 20,000 Hz (cps)
OUTPUT VOLTAGE:	5.0 millivolts per channel at 1,000 Hz (cps) at 5 cm/sec.
CHANNEL SEPARATION:	Nominally over 25 db at 1,000 Hz (cps)
CHANNEL BALANCE:	Within 2 db of each other
RECOMMENDED LOAD IMPEDANCE:	47,000 ohms (per channel)
INDUCTANCE:	720 millihenries
D.C. RESISTANCE:	630 ohms
STYLUS MODEL N75E TYPE 2 (E T2)	Replacement: Grip Color—yellow ELLIPTICAL SHAPED DIAMOND TIP .0007 inch (17.8 microns) frontal radius .0010 inch (25.4 microns) between points of contact with groove. .0002 inch (5 microns) side contact radii
TRACKING FORCE:	$\frac{3}{4}$ to $1\frac{1}{2}$ grams
TRACKABILITY:	At a stylus force of 1 gram 400 Hz. — 20 cm/sec 1,000 Hz. — 28 cm/sec 10,000 Hz. — 18 cm/sec

Higher stylus forces within specified range improve trackability.

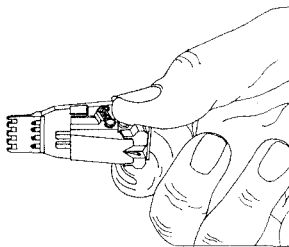
GENERAL: These models are improved high quality "Hi-Track" stereo phono cartridges mounted in Garrard and Dual pickup heads. The Model SL95-M75 TYPE 2 is designed specifically for the Garrard SL95 Automatic Turntable. The Model DU10-M75E TYPE 2 is designed specifically for the DUAL 1019, 1009F, 1009SK, and 1015 Automatic Turntables.

INSTALLATION

1. Remove present pickup head and insert Shure Model into phono arm. Care must be taken in removal and inserting of the pickup heads not to cause damage to the stylus.
2. Balance arm as per Garrard or Dual instructions and set stylus force indicator to recommended tracking forces. Forces greater than the indicated "maximum" should not be used.

Suggestions for Cleaning Your Stylus

To clean the stylus, use a camel's-hair brush (No. 2 size or smaller) dipped lightly in alcohol. The alcohol will remove any sludge deposits which may have coated the stylus tip. The brush bristles should be trimmed to a length no longer than $\frac{1}{4}$ inch. Always brush the stylus with a forward movement from the rear (terminal end of the cartridge) to the front. Never brush or wipe the stylus from front to back or side to side.



STYLUS REPLACEMENT

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

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 Stereo 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.

LABORATORY TEST FINDINGS: (Note: The following stylus test findings of the Shure N3D stylus are an example of the close scrutiny Shure pays to all imitation Shure Dynetic Styli.) Shure laboratory tests show that the imitation stylus assemblies labeled as replacements for the Shure Model N3D Stylus Assembly vary drastically in important performance characteristics. For example, the compliance varied from a low of 0.9 to a high of 11.5, requiring 9.0 grams to track a record with a low compliance stylus, and 2 grams with a high compliance stylus. The high compliance stylus retracted at 4 grams needle force, allowing the cartridge case to drag on the record surface, thereby becoming inoperative. Response at high frequency (relative to the 1kc level) ranged from a 5.5db peak to a drop of 7.5db. Separation varied from "good" (27db) to "poor" (16.5db) at 1kc. These figures reveal that there is very little consistency in performance characteristics of the imitation Dynetic Styli.

In each of the categories shown above, the results ranged from good to poor. As a matter of fact, only 10% of the samples met the Shure performance standards for the Shure N3D Stereo Dynetic Stylus. In addition to our test findings, our Service Department records show that an increasing number of Dynetic Phono Cartridges are being returned because of poor performance—and our examination has disclosed that most of these returned cartridges are using imitation Dynetic Styli.

CONCLUSION: Obviously, if any imitation Dynetic Stylus is used, we cannot guarantee that the performance of Shure Dynetic cartridges will meet the published Shure specifications. Accept no substitute.

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.

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