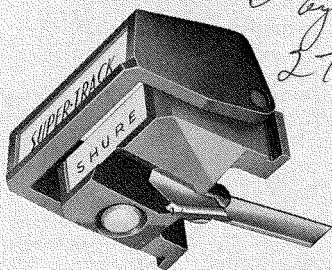


*OBS*

**MODEL VN15E**  
**Super-Track™**  
**Stereo Dynetic® Diamond Styli**  
**Instruction Sheet**

*Stereo Dynetic* **DIAMOND STYLI**



*Replaced  
by  
L7A042*

*OBS*

The Model VN15E Stylus (stylus grip color - black) has a Bi-Radial Elliptical diamond tip and is used in the V-15 Type II Stereo Dynetic Cartridge. The major feature of the VN15E is its superior TRACKABILITY. Because of it, all records will sound better and, in fact, you will hear some recordings tracked for the first time without distortion. The V-15 Type II Cartridge with VN15E Stylus has the following SPECIFICATIONS—

Trackability at stylus force of  $\frac{3}{4}$  gram (in Shure-SME Arm):

|                |             |
|----------------|-------------|
| 400 Hz(cps)    | — 18 cm/sec |
| 1,000 Hz(cps)  | — 26 cm/sec |
| 5,000 Hz(cps)  | — 26 cm/sec |
| 10,000 Hz(cps) | — 18 cm/sec |

Frequency Response: 20 to 25,000 Hz

Output Voltage: 3.5 mv per channel at 1,000 Hz at  
5 cm/sec

Channel Balance: Output from each channel within 2 db

Channel Separation: Over 25 db at 1,000 Hz  
Over 17 db from 500 to 10,000 Hz

Tracking Force:  $\frac{3}{4}$  to  $1\frac{1}{2}$  grams

The VN15E Bi-Radial Elliptical Stylus is constructed with a broad frontal plane radius of 18 microns (.0007 inch), while the side contact radii are 5 microns (.0002 inch), and the tip is 25 microns (.001 inch) wide between record contact points.

NOTE: The Shure Bi-Radial Elliptical Stylus produces several advantages:

1. It drastically reduces tracing distortion because the elliptical shape more closely follows the groove made by the wedge-shaped cutting stylus. The points of tangency remain parallel to the record groove to a markedly greater extent than those of the ordinary spherical/conical stylus.
2. It is possible to play all monophonic LP records with perfectionist reproduction quality, as well as stereo records, due to the larger distance between the points of contact of the stylus of 25 microns (.0010 inch).

*OBS*

3. "Bottoming" in the record groove is eliminated along with its disturbing crackling noise of grit and static dust that is normally in the bottom of the record groove. This is accomplished due to the configuration of this stylus.

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.

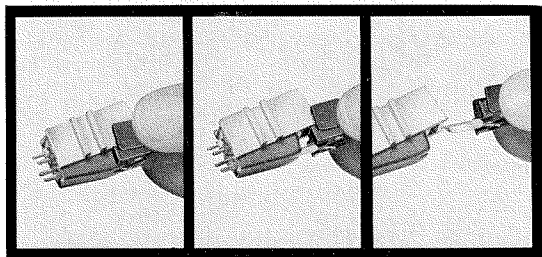
## QUALITY ASSURANCE CERTIFICATE

SHURE VN15E BI-RADIAL

ELLIPTICAL HIGH FIDELITY STYLUS

The VN15E Stereo Dynetic Stylus has been manufactured under the Shure Master Quality Control Program. This program embraces the stringent safeguards and standards required by your VN15E to assure you that it is in perfect operating condition.

Shure quality control not only covers incoming parts and the finished product, but intermediate sub-assemblies as well. For example: every Stylus-Magnet Assembly is tested and microscopically examined. Each finished stylus is again tested electrically, mechanically and acoustically against quality and tolerance specifications seldom achieved in the High Fidelity industry.



STYLUS REPLACEMENT

Stylus replacement is very simple and fast. To replace—grasp stylus guard between thumb and forefinger. Gently withdraw stylus by pulling forward out of cartridge. Grasp guard of replacement stylus between thumb and forefinger and insert into stylus socket. Press stylus into socket until the molded housing of the stylus touches the cartridge case. Care must be taken not to allow the finger to slip off the stylus guard, resulting in damage to the stylus tip or shank.

## GUARANTEE

The Shure 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; 2,077,521, and 3,077,522. Other U.S. patents pending.

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