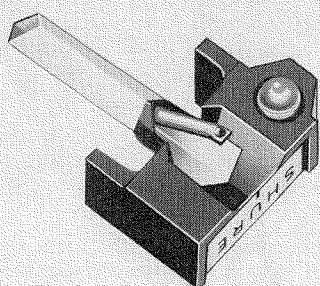


**MODELS N44-1, N44-3, N44-5, N44-7,  
N44C, and N44G Stereo Dynetic®  
Diamond Styli Instruction Sheet**

*Stereo*  *Dynetic* **DIAMOND STYLI**



The Model N44-1 Stylus (stylus grip color—blue) has a .001 (.026 mm) diamond tip and may be used in the M44 Dynetic Cartridges to reproduce monophonic long play records. In this case, the amplifier should be set to "Monaural" or "A + B." The N44-1 is designed for tracking forces of 1½ to 3 grams. The M44 Cartridge with an N44-1 Stylus has a compliance of  $20 \times 10^{-6}$  cm. per dyne, a frequency response of 20 to 20,000 cps, and an output level of 7.5 millivolts at 1,000 cps at 5 cm/sec.

The Model N44-3 Stylus (stylus grip color—green) has a .0025 (.064 mm) diamond tip and may be used in the M44 Dynetic Cartridge to reproduce the Standard 78 rpm records. In this case, the amplifier should be set to "Monaural" or "A + B." The M44-3 is designed for tracking forces of 1½ to 3 grams. The M44 with the N44-3 stylus has compliance of  $20 \times 10^{-6}$  cm. per dyne, frequency response of 20 to 20,000, and an output level of 6 millivolts at 1,000 cps at 5 cm/sec.

The Model N44-5 Stylus (Stylus grip color—Red) has a .0005" (.013 mm) diamond tip and is used in the Model M44-5 Stereo Dynetic Cartridge. The N44-5 is designed to track at forces of ¾ to 1½ grams. The M44 Cartridge with an N44-5 Stylus has a compliance of  $25 \times 10^{-6}$  cm. per dyne, frequency response of 20 to 20,000 cps, channel separation of more than 25 db at 1,000 cps, and an output level of 7 millivolts per channel at 1,000 cps at 5 cm/sec.

The Model N44-7 Stylus (stylus grip color—white) has a .0007" (.018 mm) diamond tip and is used in the Model M44-7 Stereo Dynetic Cartridge. The N44-7 is designed for tracking forces of 1½ to 3 grams. The M44 Cartridge with an N44-7 Stylus has a compliance of  $20 \times 10^{-6}$  cm. per dyne, frequency response of 20 to 20,000 cps, channel separation of more than 25 db at 1,000 cps, and an output level of 11 millivolts per channel at 1,000 cps at 5 cm/sec.

The Model N44C Stylus (stylus grip color—light blue) has a .0007" (.018 mm) diamond tip and is used in the M44C Stereo Dynetic Cartridge. The N44C is designed for tracking forces of 3 to 5 grams. The M44 Cartridge with an N44C Stylus has a compliance of  $7.5 \times 10^{-6}$  cm/dyne, frequency response of 20 to 20,000 cps. Channel separation of more than 25 db at 1,000 cps., and an output level of 9.3 millivolts per channel at 1,000 cps at 5 cm/sec.

The Model N44G Stylus (Stylus grip color—dark gray) has a .0007" (.018 mm) diamond tip and is used in the Model M44G Stereo Dynetic Cartridge. The N44G is designed to track at forces of ¾ to 1½ grams. The M44 Cartridge with an N44G Stylus has a compliance of  $25 \times 10^{-6}$  cm. per dyne, frequency response of 20 to 20,000 cps, channel separation of more than 25 db at 1,000 cps, and an output level of 6.2 millivolts per channel at 1,000 cps at 5 cm/sec.

All genuine Dynetic styli are precision manufactured by Shure Brothers, Inc.

The N44-1, N44-3, N44-5, and N44-7 Styli incorporate a new retractile design that prevents record-scratch or stylus damage. When excessive force is exacted on the stylus, it momentarily retracts and a soft plastic bumper

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

® AREA CODE 312/328-9000 • CABLE: SHUREMICRO

THE PREMIER FAMILY OF STEREO SOUND REPRODUCERS

**MODEL N55E****STEREO DYNETIC®  
PHONOGRAPH STYLUS****STYLI SPECIFICATIONS**

Replacement Stylus	Stylus Grip Color	Output (1 kHz at 5 cm/sec peak recorded velocity)	Frequency Response	Channel Balance	Channel Separation (minimum)	Tracking Force	
N55E 5 X 18 $\mu$ (.0002 X .0007 in.) Biradial (Elliptical)	Yellow	6.6 mV	20 to 20,000 Hz	within 2 dB	20 dB at 1 kHz	$\frac{3}{4}$ to 2 grams	12 cm/sec - 400 Hz at 1 gram
N44-1† 26 microns (.001 in.) Spherical	Blue	9.5 mV	20 to 20,000 Hz	—	—	$\frac{1}{2}$ to $\frac{3}{4}$ grams	15 cm/sec - 400 Hz at $\frac{1}{2}$ grams
N44-3†† 64 microns (.0025 in.) Spherical	Green	9.5 mV	20,000 20 to Hz	—	—	$\frac{1}{2}$ to $\frac{3}{4}$ grams	—

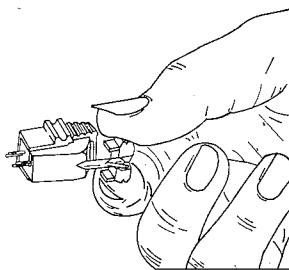
†Optional 33-1/3 rpm MONO-LP Stylus: Set amplifier to "MONO" or "A+B."

††Optional 78 rpm Stylus: Set amplifier to "MONO" or "A+B."

\*Tracking forces greater than maximum indicated should not be used.

NET WEIGHT: 0.3 grams

MONOPHONIC OPERATION: Set function switch on amplifier to "MONO" or "A+B." If amplifier is not equipped with this switch, connect left and right channels in parallel.

**STYLUS REPLACEMENT****STYLUS REPLACEMENT:** Grasp molded housing of stylus and gently pull forward out of cartridge. Insert replacement stylus into socket and press until housing mates with cartridge case.**RECOMMENDED STYLUS CLEANING:** Use a camel's hair brush (No. 2 size or smaller), trimmed to approximately 6 mm (1/4 in.), dipped in alcohol or an alcohol-distilled water solution. Commercial cleaning solutions may cause stylus damage or corrosion. The alcohol will remove any sludge deposit coating the stylus tip. Always brush stylus from back to front; never brush or wipe stylus from front to back or side to side.**TO PRESERVE STYLUS LIFE:**

1. Follow turntable or tone arm instructions when adjusting antiskating force.
2. Do not handle the tone arm while it is in operation since this may cause the arm to sweep across the record.
3. If it is necessary to manually place the tone arm in the record groove while turntable is rotating, release it as soon as the stylus engages the record groove.
4. Correct improper set-down adjustment or malfunction of the turntable changing mechanism to prevent the stylus from striking the edge of the turntable or record. Do not stack more records than turntable manufacturer recommends.
5. Take care to properly insert the stylus into the cartridge assembly and the cartridge and shell assembly into the tone arm receptacle.
6. Use proper vertical tracking force setting for each cartridge.
7. Do not use badly warped, cracked or imperfect records.
8. When dusting the turntable protect the stylus with the stylus guard.

**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. For more information on your Shure stylus, write for booklet: "A Visit to the Small World of a Stylus."**GUARANTEE:** This Shure product is guaranteed in normal use to be free from electrical and mechanical defects for a period of one year from the date of purchase. Please retain proof of purchase date. This guarantee includes all parts and labor. This guarantee does not include stylus wear.**SHIPPING INSTRUCTIONS:** Carefully repack the unit and return it prepaid to the factory. If outside the United States, return the unit to your dealer or Authorized Shure Service Center for repair. The unit will be returned to you prepaid.**PATENT NOTICE:** Cartridge and stylus manufactured under one or more of the following U.S. patents: 3,055,988, 3,077,521, 3,077,522 and 3,463,889.Copyright 1974, Shure Brothers Incorporated  
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Printed in U.S.A.

**RECOMMANDATIONS POUR LE NETTOYAGE DE LA POINTE:** Utilisez une brosse douce, à poils de 6 mm. de long, humectée d'alcool pur ou dilué. Les liquides de nettoyage vendus dans le commerce peuvent endommager ou corroder la pointe. Brossez toujours d'arrière en avant.

**POUR PRESERVER LA VIE DE VOTRE DIAMANT:**

1. Réglez la compensation de poussée latérale (antiskating) du bras suivant les instructions du fabricant.
2. Evitez de toucher le bras de pickup pendant le fonctionnement.
3. Si vous devez placer manuellement le bras sur un sillon du disque pendant que la plateau tourne, relâchez le bras dès que la pointe touche le sillon.
4. Réglez la descente du bras pour éviter que la pointe puisse heurter le bord du plateau ou du disque.
5. Evitez d'endommager la pointe lectrice pendant son montage dans le cellule ou le montage de la cellule elle-même.
6. Utilisez une force d'appui convenable.
7. N'utilisez pas de disques très rayés ou endommagés.
8. Protégez la pointe pendant le nettoyage de la platine.

**ATTENTION:** Assurez-vous que tout diamant de remplacement que vous achetez porte la garantie suivante sur son emballage: "This Stereo Dynetic stylus is precision manufactured by Shure Brothers Inc." **EVITEZ LES IMITATIONS DE QUALITE INFERIEURE. ELLES DETRUIRONT LE RENDEMENT DE VOTRE CELLULE.**

**GARANTIE:** Ce produit Shure est garanti, en utilisation normale, de tout défaut électrique ou mécanique, pour une durée d'un an à partir de l'achat. Conservez votre preuve d'achat. La garantie comprend toutes pièces et main d'oeuvre; elle ne couvre pas l'usage normal du diamant.

**EXPEDITION:** Ré-emballez soigneusement et renvoyez la cellule à l'usine en port payé. En dehors des U.S.A., renvoyez la cellule à votre vendeur ou au représentant officiel Shure. Elle vous sera renvoyée dès que possible en port payé.

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**REINIGUNG DES ABTASTSTIFTES:** Zur Reinigung des Abtaststiftes wird eine Kamelhaarbürste empfohlen (Borstenlänge ca. 6 mm), die vorher in Alkohol oder Spiritus getaucht wurde. Handelsübliche Reinigungsmittel können Korrosion verursachen oder sogar zur Zerstörung des Abtaststifteinschubs führen. Die Bürste stets von hinten nach vorne bewegen.

**HINWEIS ZUR ERHÖHUNG DER LEBENSDAUER DES ABTASTSTIFTES:**

1. Antiskating-Einstellung nach Herstellerangaben justieren.
2. Bei Automatik-Plattenspielern sollte der Tonarm während des Betriebes niemals berührt werden.
3. Muß der Tonarm manuell, also von Hand geführt werden, sollte er so vorsichtig wie möglich auf die Platte aufgesetzt werden.
4. Achten Sie beim Aufsetzen des Tonarms darauf, daß der Abtaststift nie den Plattenteller oder die Kante der Schallplatte berührt.
5. Besondere Sorgfalt ist beim Einsetzen des System-Einschubs und des Systems geboten.
6. Kontrollieren Sie von Zeit zu Zeit die Auflagekraft des Tonarms.
7. Keine stark abgenutzten, gewellten oder zerkratzten Platten abspielen.
8. Beim Reinigen des Plattenspielers den Abtaststift vorsorglich durch Herunterklappen des Visiers vor Beschädigung schützen.

**ACHTUNG:** Um die gewohnt gute Wiedergabe Ihres Systems nicht zu vermindern, sollten Sie bei der Nachbestückung des System-Einschubs unbedingt auf einen Original SHURE-Abtaststift bestehen. Achten Sie auf die Aufschrift "This Stereo Dynetic Stylus is precision manufactured by Shure Brothers Inc." auf der Verpackung und das Wort SHURE auf dem System-Einschub. **LEHNEN SIE MINDERWERTIGE IMITATIONEN AB! ERHEBLICHE KLANGMINDERUNG ODER BESCHÄDIGUNG DER SCHALLPLATTEN KÖNNEN DIE FOLGE SEIN.** Fordern Sie die kostenlose Broschüre "Ausflug in die Mikrowelt eines System-Einschubs" an.

**GARANTIE:** Shure leistet für die Dauer von einem Jahr, beginnend mit dem Verkaufsdatum, kostenlosen Garantieersatz auf Material und Arbeitskosten für sämtliche Materialfehler, außer durch Verschleißerscheinungen und durch unsachgemäße Bedienung entstandene Fehler.

**VERSANDANWEISUNGEN:** Das System sorgfältig wieder verpacken und an die Fabrik einsenden Außerhalb der Vereinigten Staaten sende man das System an den Händler oder das autorisierte Shure Service Zentrum zur Reparatur ein. Das System wird Ihnen dann wieder portofrei zurückgesandt.

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**RECOMENDACIONES PARA LIMPIAR LA AGUJA:** Usar un pincel de pelo de camello de 6 mm. de largo, humedecido en alcohol etílico o en una mezcla de alcohol y agua. Evitar el uso de líquidos que se venden en los comercios para la limpieza de agujas y discos. Pueden dañar o corroer la aguja. Siempre limpiar la aguja de atrás hacia adelante.

**PARA CONSERVAR EL USO DE LA AGUJA:**

1. Ajustar la fuerza antipatinadora de acuerdo con las instrucciones del fabricante.
2. Evitar mover el brazo cuando esté funcionando.
3. Si es necesario manipular el brazo en el surco del disco mientras la tornamesa gira, soltarlo tan pronto la aguja haga contacto con el surco.
4. Ajustar el mecanismo del brazo para evitar que la aguja choque con el borde del disco o tornamesa.
5. Evitar dañar la aguja cuando se instale la cápsula o se reemplace la aguja.
6. Usar la fuerza de apoyo debida.
7. No usar discos que estén rajados, doblados o con imperfecciones.
8. Proteger la aguja con su visera cuando se limpie el tornamesa.

**NOTA ESPECIAL:** El conjunto de la aguja "Dynetic" utilizado en estas cápsulas es el componente más crítico. Para que la calidad original de la cápsula se conserve, asegurarse al comprar una nueva aguja que ésta lleve la siguiente certificación en su estuche: "This Stereo Dynetic stylus is precision manufactured by Shure Brothers Inc." Evite imitaciones, pueden reducir seriamente la calidad de la cápsula. Todas las agujas "Dynetic" auténticas están fabricadas por Shure Brothers Inc. Obviamente, si se utiliza cualquier aguja Dynetic de imitación, no podemos garantizar que la calidad suministrada por las cápsulas Shure Dynetic estará de acuerdo con las especificaciones publicadas. No acepte substitutos. Escriba por el folleto sobre la aguja Shure.

**GARANTIA:** Este producto Shure se garantiza en su uso normal como un producto libre de defectos eléctricos y mecánicos por un período de un año desde la fecha de su compra. Sírvase conservar la prueba de la fecha de la compra. Esta garantía incluye todas las partes y la mano de obra. Esta garantía no incluye el desgaste de la aguja.

**INSTRUCCIONES DE EMBARQUE:** Empáquelo de nuevo con cuidado y devuelva el artículo a la fábrica. Si está fuera de los Estados Unidos, devuelva el artículo a su distribuidor o a su Centro de Servicio Shure para su reparación. El artículo será devuelto a usted con gastos pagados por adelantado.

comes in contact with the record. This bumper is incorporated into the stylus finger-grip and is pre-set and adjusted at the factory to accommodate the minute differences between styli. Do not attempt to readjust or in any way tamper with this precise adjustment.

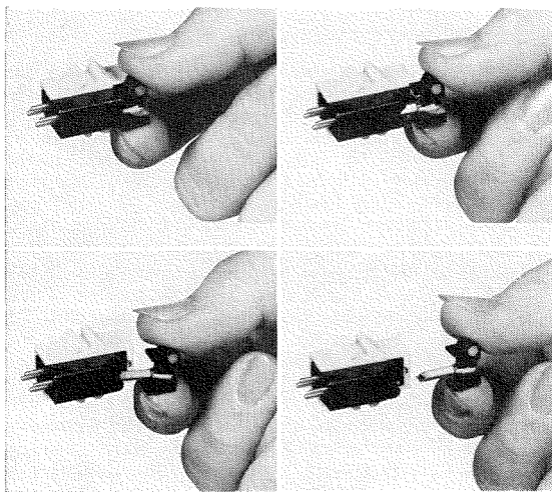
The N44C and N44G styli do not incorporate a bumper, but the retractability of the stylus itself provides a good measure of tip protection.

Unique engineering design and controlled assembly techniques result in the following special features:

- a. Ease of Replacement
- b. Minimum Needle Talk
- c. High Compliance
- d. Low Effective Mass
- e. Reproduction Over a Wide Range
- f. Low Needle Force

The high compliance, low effective mass, and low needle point force combine to reduce record wear to a minimum.

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

Stylus replacement is very simple and fast. To replace—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 touches 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.

**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.

**SERVICE PROTECTION — ACCIDENTAL DAMAGE:** Shure Dynetic Styli will withstand long, continued usage. However, if the stylus assembly should be damaged due to accidental mishandling, and the diamond tip is still intact, the stylus assembly may be returned to the factory for servicing and testing to original performance standards at a nominal service charge of \$5.50. (Please enclose a check for the service charge with the returned assembly.)

Return Stylus to:

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

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

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