

SPECIFICATIONS

Stylus Tip	Output (1 kHz at 5 cm/sec peak recorded velocity)†	Frequency Response	Channel Balance	Channel Separation (minimum)	Tip Tracking Force*	Total Tone Arm Force**	Trackability (cm/sec peak recorded velocity)
Nude, Hyperelliptical, 5 x 38μ (.0002 x .0015 in.) Replacement Model: N97HE††	4.7 mV	20 to 20,000 Hz	Within 2 dB	25 dB at 1 kHz	0.75 to 1.5 grams	1.25 to 2.0 grams	400 Hz-24 cm/sec 1,000 Hz-33 cm/sec 10,000 Hz-19 cm/sec at 1 gram

†Output voltages given for stereo cut record. for MONO cut record, output voltage at both left channel and right channel cartridge terminals will be 71% of figures above.

††Replacement stylus provides upgraded performance.

*Do not exceed maximum indicated tip tracking force or total tone arm force.

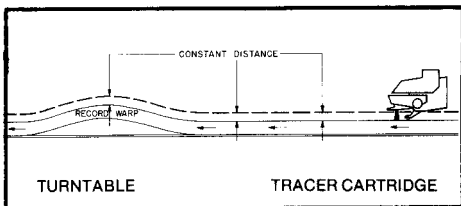
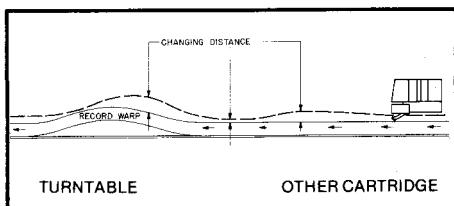
**See section on tracking force.

Optimum Load: 47,000 ohms resistance in parallel with 200 to 300 picofarads capacitance per channel. Load resistance can be up to 70,000 ohms with almost no audible change in frequency response. Total capacitance includes both tone arm wiring and amplifier input circuit.

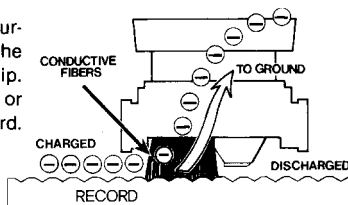
Net Weight: 6.4 grams

THIS CARTRIDGE INCLUDES THE SHURE EXCLUSIVE DYNAMIC STABILIZER WITH THESE FEATURES.

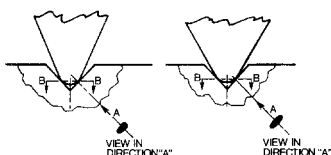
Viscous-damping functions like a shock absorber to resist sudden changes in motion, enabling the tone arm to follow the irregularities of a warped record surface. Record warps can cause sudden and rapid changes in arm-to-record distance that produce drastic increases and decreases in tracking force and tracking angle. The results can be signal wow, groove skipping, cartridge bottoming, or even amplifier or speaker overload. The Dynamic Stabilizer remedies warp effects by maintaining a constant distance from the arm to the record surface. The cartridge achieves its full potential trackability despite warped records.



Conductive fibers neutralize static charges on the record surface and conduct them to ground. The fibers also sweep the record groove clean of dust and dirt in front of the stylus tip. And the entire Stabilizer absorbs impact to prevent record or stylus damage if the arm is accidentally dropped on a record.



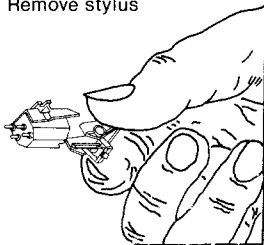
THIS CARTRIDGE FEATURES THE SHURE EXCLUSIVE HYPERELLIPTICAL NUDE DIAMOND TIP.



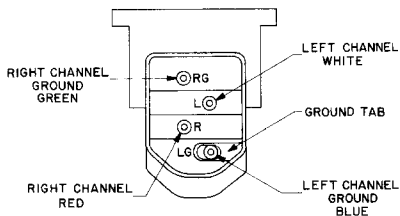
Its **optimized contact area** is longer and narrower than the traditional biradial (elliptical) tip-groove contact area. This optimization results in dramatic reduction of both harmonic distortion and intermodulation distortion.

MOUNTING

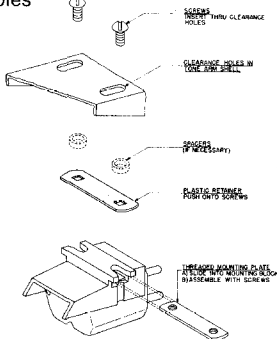
1. Remove stylus



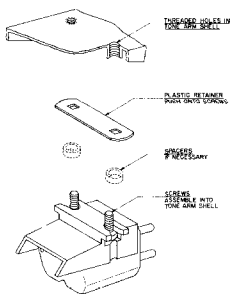
2. Make electrical connections



3. A. Mount in headshell with unthreaded clearance holes

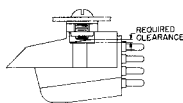


3. B. Mount in headshell with threaded holes



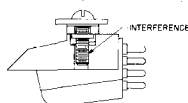
CARTRIDGE MOUNTING, METHOD A

IMPORTANT: When using method A, select the shortest screws that will hold the cartridge securely. The screws should NOT extend through the mounting plate and beyond the window in the block.



CORRECT SCREW LENGTH

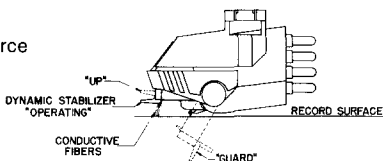
CARTRIDGE MOUNTING, METHOD B



INCORRECT SCREW LENGTH

TRACKING FORCE

This cartridge is designed for a stylus tip tracking force of 0.75 to 1.5 grams. When the viscous-damped Dynamic Stabilizer is in the operating position (see Figure), it exerts a force on the record of 0.5 grams that must also be accommodated in the total tone arm tracking force setting. Therefore, use the following settings:



To obtain this force at the stylus tip

0.75 grams
1.0 gram
1.5 grams

Set the arm tracking force adjustment to

1.25 grams
1.5 grams
2.0 grams

When using an external gauge such as the Shure SFG-2 Stylus Force Gauge for setting tracking force, lock the Dynamic Stabilizer in the "up" position, and set the tracking force as shown in the second column. When the Stabilizer rides on the record with the cartridge in use, the extra 0.5 grams will be offset by the Stabilizer and WILL NOT APPEAR AT THE STYLUS TIP. The tip force will be that shown in the first column.

If for any reason the cartridge is used with the Stabilizer in the "up" position, the tracking force should be set as recommended for the tip, i.e., from 0.75 to 1.5 grams.

SKATING COMPENSATION

Set the skating compensation mechanism according to the tone arm manufacturer's instructions. Use a skating compensation corresponding to the total tone arm tracking force setting (column 2 in chart above.)

OPERATION

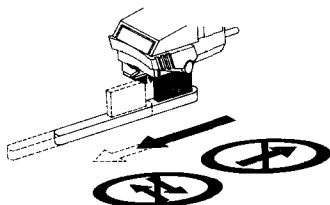
For optimum playing position the bottom edge of the mounting block should be parallel to the record. Carefully place the Dynamic Stabilizer in the "operating" position so that it floats below the cartridge (see Figure above). The cartridge is now ready to use.

STABILIZER AND STYLUS CLEANING

To clean the Stabilizer, use no fluids. Use the brush supplied with the cartridge.

To clean the stylus, use the brush supplied with the cartridge with alcohol or an alcohol-distilled water solution.

Brush only from back to front as shown. Commercial cleaning solutions may cause stylus damage.



TO PRESERVE STYLUS LIFE

1. Protect stylus with stylus guard when dusting turntable.
2. Regulate tone arm set-down or changer mechanism to prevent stylus from striking edge of turntable or record.
3. Do not handle tone arm while record is being played; handling may cause arm to sweep across record. Use cuing device if available.
4. If manual set-down is necessary, release arm as soon as Stabilizer or stylus engages groove.
5. Do not activate arm without record on turntable.
6. Do not stack more records than changer manufacturer recommends.
7. Do not use damaged records.
8. Make certain cartridge is correctly mounted in tone arm; make certain stylus is properly inserted in cartridge.
9. Use appropriate vertical tracking force for each cartridge and stylus; forces outside recommended range can cause stylus and record damage.
10. Follow turntable or tone arm instructions for antiskating force.

SPECIAL NOTE

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®" STYLUS ARE MANUFACTURED BY SHURE BROTHERS INC. LOOK FOR THE NAME SHURE ON THE STYLUS GRIP.

FULL ONE-YEAR WARRANTY

Shure Brothers Incorporated ("Shure"), 222 Hartrey Avenue, Evanston, Illinois 60204, warrants to the owner of this product that it will be free, in normal use, of any defects in workmanship and materials for a period of one year from date of purchase. You should retain proof of date of purchase. Shure is not liable for any consequential damages. If this Shure product has any defects as described above, carefully repack the unit, have it insured, and return it prepaid to:

Shure Brothers Incorporated
Attention: Service Department
222 Hartrey Avenue
Evanston, Illinois 60204

If you are not in the United States, return the unit to your dealer or Authorized Service Center for repair. The unit will be repaired or replaced and returned to you promptly, and if it cannot be repaired or replaced, you may elect to receive a refund. This warranty does not include stylus wear.

PATENT NOTICE: Manufactured under one or more of the following U.S. Patents: 3,055,988; 3,077,521; 3,077,522; 3,463,889; 4,194,744; 4,270,758; 4,275,888; D193,854; D193,934; D201,803; D235,070; D235,351; D235,352; D245,022; D245,433; D252,628; D254,004; D257,676; D255,898; D258,586; other patents pending.

FORCE D'APPUI:

Avec le stabilisateur dynamique en position de marche:

Cette cellule est conçue pour une force d'appui de la pointe située entre 0,75g et 1,5g. Lorsque le stabilisateur dynamique à amortissement visqueux se trouve en position de marche, il exerce sur le disque une pression de 0,5g dont il faut tenir compte lorsque l'on règle la pression totale exercée par le bras de lecture. Employer les réglages suivants:

pour obtenir à la pointe la force indiquée ci-dessous

0,75g
1,0 g
1,5 g

régler la force d'appui du bras sur la valeur suivante

1,25g
1,5 g
2,0 g

Lorsque l'on utilise un pèse-bras pour régler la force d'appui (Shure SFG-2, par exemple), bloquer le stabilisateur dynamique dans sa position supérieure et régler la force d'appui d'après les valeurs de la colonne de droite. (Lorsque le stabilisateur dynamique touche le disque avec la cellule en place, il absorbe les 0,5g supplémentaires si bien que ceux-ci n'apparaissent pas à la pointe. La force à la pointe est alors celle qui est indiquée dans la première colonne.)

Avec le stabilisateur dynamique dans sa position supérieure:

Si, pour une raison quelconque, la cellule est utilisée avec le stabilisateur en position relevée, la force d'appui doit être celle indiquée dans la colonne gauche, c'est à dire entre 0,75g et 1,5g.

REMARQUE: la force d'appui ne doit pas dépasser la valeur maximale indiquée dans chaque colonne, quand le stabilisateur dynamique est en position de marche et quand il est dans sa position supérieure.

ANTISKATING: Suivez les instructions du fabricant du bras de lecture et utilisez une force d'antiskating correspondant à la force d'appui totale du bras (colonne nr 2 du tableau ci-dessus).

NETTOYAGE DU STABILISATEUR DYNAMIQUE: Utiliser la brosse jointe avec la cellule SANS EMPLOYER DE LIQUIDE.

NETTOYAGE DE LA POINTE DE LECTURE: Utiliser une brosse douce, humectée d'alcool pur ou dilué. Les liquides de nettoyage vendus dans le commerce peuvent endommager ou corroder la pointe. Il faut toujours brosser de l'arrière vers l'avant, jamais de l'avant vers l'arrière ou d'un côté à l'autre.

REMARQUE: 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." ÉVITEZ LES IMITATIONS DE QUALITÉ INFÉRIEURE. ELLES DETRUIRONT LE RENDEMENT DE VOTRE CELLULE. CHERCHEZ LE NOM DE SHURE SUR LE SUPPORT DE POINTE EN PLASTIQUE.

GARANTIE TOTALE D'UN AN: Shure Brothers Incorporated ("Shure"), 222 Hartrey Avenue, Evanston, Illinois 60204, garantit ce produit à son propriétaire, en utilisation normale, contre tous défauts de fabrication ou de matériaux, pendant une période d'un an à partir de la date d'achat. Conservez votre preuve d'achat. Shure n'est responsable d'aucuns dommages indirects. Si ce produit Shure présente un défaut comme précisé ci-dessus, remballez-le soigneusement et renvoyez-le en port payé à: **Shure Brothers Incorporated, Attention: Service Department, 222 Hartrey Avenue, Evanston, Illinois 60204.** Si vous n'êtes pas aux U.S.A., renvoyez-le à votre revendeur ou au représentant officiel Shure, pour réparation. Ce produit sera réparé ou remplacé rapidement. S'il ne peut être réparé ou remplacé, vous pouvez opter pour un remboursement. Cette garantie ne couvre pas l'usure des pointes de lecture.

FORZA D'APPOGGIO:

Questa cartuccia e' stata progettata per una forza d'appoggio compresa tra 0.75 e 1.5 grammi. Lo stabilizzatore dinamico a smorzamento viscoso in posizione operativa esercita sul disco una forza di 0.5 grammi, di cui occorre tener conto quando si regola la forza d'appoggio totale del braccio. Pertanto le regolazioni da effettuare sono le seguenti:

Per ottenere questa forza sulla punta dello stilo
0.75 grammi
1.0 grammo
1.5 grammi

Regolate la forza d'appoggio del braccio a
1.25 grammi
1.5 grammi
2.0 grammi

Se per misurare la forza d'appoggio si usa uno strumento quale ad esempio lo Shure SFG-2, lo stabilizzatore dinamico deve essere messo in posizione di riposo e la forza da applicare deve essere quella relativa alla seconda colonna (destra).

Quando lo stabilizzatore dinamico viene messo in posizione operativa, gli 0.5 grammi aggiuntivi saranno interamente da esso assorbiti e la forza sulla punta dello stilo sara' quella relativa alla prima colonna (sinistra).

Se, per qualunque ragione, la cartuccia viene usata con lo stabilizzatore dinamico disinserito, la forza d'appoggio dovra' essere quella raccomandata per la puntina, da 0.75 a 1.5 grammi.

REGOLAZIONE DELL'ANTI SKATING:

Regolare il meccanismo dell'antiskating secondo le indicazioni del costruttore del braccio, prendendo come riferimento la forza d'appoggio totale riportata nella seconda colonna.

MONTAGGIO:

Il posizionamento ottimale e' quello per cui la parte inferiore del blocco di montaggio risulta parallelo al disco. Posizionate con cura lo stabilizzatore dinamico in modo che sia libero di oscillare al di sotto della cartuccia, che, a questo punto, e' pronta per l'uso.

PULIZIA DELLO STABILIZZATORE E DELLO STILO:

Per pulire lo stabilizzatore non usate liquidi, ma lo spazzolino fornito con la cartuccia. Per pulire lo stilo, utilizzate lo speciale spazzolino in dotazione inumidito con alcool o con una soluzione di alcool e acqua distillata. Spazzolate soltanto dal dietro in avanti. I liquidi che se trovano in commercio potrebbero danneggiare lo stilo.

NOTA SPECIALE: Onde mantenere lo standard originale di prestazioni della Vs. cartuccia, accertateVi che lo stilo di ricambio abbia la seguente dicitura: "This Stereo DYNETIC stylus is precision manufactured by Shure Brothers Inc." EVITATE LE IMITAZIONI. QUESTE POSSONO DEGRADARE SERIAMENTE LE PRESTAZIONI DELLA VS. CARTUCCIA. TUTTE LE PUNTINE ORIGINALI SONO PRODOTTE DALLA SHURE BROTHERS INC. RICERCATE IL NOME SHURE SULL'IMPUGNATURA DELLO STILO.

GARANZIA DI 1 ANNO: La Shure Brothers Inc. ("SHURE"), 222 Hartrey Avenue, Evanston, Illinois 60204, U.S.A. garantisce all'acquirente di questo prodotto, per il periodo di 1 anno dalla data di acquisto ed in condizioni di uso normale, che esso e' esente da difetti di fabbricazione e di materiali. Conservate una prova della data di acquisto; in caso contrario la Shure non si ritiene responsabile. Se il prodotto Shure presenta dei difetti, imballate l'unita' e inviatela, in porto franco, al fornitore. Se non siete negli Stati Uniti, restituite l'unita' al Vs. negoziante oppure al Centro Autorizzato per il Servizio e Riparazioni. Il prodotto verra' riparato e sostituito e Vi verra' rispedito in breve tempo. Nel caso in cui non potesse essere ne' riparato ne' sostituito, potrete richiedere il rimborso. Questa garanzia non comprende l'usura della puntina.

FUERZA DE APOYO:

Con el estabilizador dinámico en posición de operación:

La cápsula esta diseñada para un margen de fuerza de apoyo en la punta de la aguja entre 0,75g y 1,5g. Cuando el estabilizador dinámico amortiguamiento viscoso se encuentre en posición de operación, ejercerá en el disco una presión de 0,5g, la cual se deberá tener en cuenta al ajustar la presión total de apoyo ejercida por el brazo fonocaptor. Debido a ello se hará uso de los ajustes siguientes:

Para obtener en la punta de la aguja la presión indicada más abajo
0,75g
1,0 g
1,5 g

Ajustese la presión de apoyo del brazo fonocaptor al valor siguiente
1,25g
1,5 g
1,75g

Empleándose un calibre para ajustar la presión de apoyo (p.ej. Shure SFG-2), dejar enclavado el estabilizador dinámico en la posición superior y ajustar la presión de apoyo de acuerdo con la columna derecha. Al ser "palpado" el disco por el estabilizador dinámico de la cápsula empleada, éste absorbe los 0,5g adicionales, de modo que este peso no actúa en la punta de la aguja. La presión en la punta de la aguja será entonces la que viene indicado en la primera columna.

Con el estabilizador dinámico en posición superior. Si por cualquier motivo la cápsula se utiliza con el estabilizador en la posición "up" (arriba), la fuerza de apoyo debe coincidir con el valor indicado en la columna izquierda, es decir que deba estar entre 0,75g y 1,5g.

OBSERVACIÓN: El valor máximo de ambas columnas no se deberá sobrepasar bajo ningún concepto en la posición de operación o en la posición superior del estabilizador dinámico.

FUERZA DE COMPENSACIÓN DE EMPUJE LATERAL (ANTISKATING): Siga las instrucciones del fabricante del brazo y utilice una fuerza "antiskating" correspondiente a la fuerza de arrastre total del brazo (columna dos de la tabla de arriba).

LIMPIEZA DEL ESTABILIZADOR DINÁMICO: Hacer uso del pincel adjunto con la cápsula SIN NINGUNA CLASE DE LIQUIDO.

LIMPIEZA DE LA PUNTA DE LA AGUJA: Usar una brocha dulce, 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. Cepillar siempre de atrás hacia adelante, nunca a la inversa o de costado a costado.

NOTA ESPECIAL: 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. BUSQUE POR EL NOMBRE SHURE EN EL MANGO DE LA AGUJA.

UN AÑO COMPLETO DE GARANTÍA: Shure Brothers Incorporated ("Shure"), 222 Hartrey Avenue, Evanston, Illinois 60204, garantiza al dueño de este producto que este mismo está libre de cualquier defecto, durante uso normal, en materiales y labor por un periodo de un año desde su adquisición. Shure no es responsable por daños que resulten por otras consecuencias. Si este producto es defectuoso en alguna manera, empáquelo cuidadosamente y devuélvalo a: **Shure Brothers Incorporated, Attention: Service Department, 222 Hartrey Avenue, Evanston, Illinois 60204.** Si Ud. reside fuera de los E.E.U.U., devuelva el producto al lugar de compra o Centro de Servicio Autorizado para su reparación. El producto será reparado o reemplazado y devuelto a Ud. prontamente, y si no puede ser reparado o reemplazado, Ud. puede elegir una devolución del importe de su compra. Esta garantía no incluye el desgaste normal de la aguja (púa).