

SHURE
YOU'LL HEAR MORE FROM US

Replacement Stylus Guide



How to Use This Shure Replacement Stylus Guide.

If you know the cartridge model number, use the Replacement/Upgrade Stylus Chart on pages 1-2 to find your Shure cartridge. This chart shows direct replacement stylus models and in many cases gives the model number of the upgrade stylus which provides improved performance over the original stylus.

If you don't know the cartridge model number, remove the stylus from your cartridge (see page 13 for instructions) and then use the Specifications/Pictorial Stylus Guide on pages 5-11 to match the stylus with its illustration.

Specifications for all models are listed under the illustrations.

Index

Replacement/Upgrade Stylus Chart 1-2 Specifications/Pictorial Stylus Guide

- Hyperelliptical Group **5**
- Elliptical Group **6-7**
- Spherical Group **8-9**
- Hyperbolic **11**
- Monophonic/78 RPM Group **11**
- Quick Information Guide 12-13**
- Shure . . . High Performance **12**
- What the Stylus Does **12**
- How Long Will It Last? **12**
- Checking for Wear **12**
- When It's Time for a Replacement **12**
- Which Stylus Tip is for Me? **13**
- Care and Cleaning of Your Stylus **12**
- How to Clean Your Stylus **13**
- How to Replace the Stylus **13**
- How to Remove the Stylus **13**

The Shure Guarantee

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. 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 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.

Match the model number for the Shure cartridge you have with the model numbers here. The chart shows replacement stylus model numbers and an upgrade stylus (for better performance at the same tracking force), where available.

Cartridge Model	Direct Replacement Stylus Model*	Upgrade Replacement Stylus Model**
A90MED	N91ED Elliptical	—
A96ME	N93E Elliptical	N75EJ Type 2 Elliptical
AA92E	N91E Elliptical	N75ED Type 2 Elliptical
AMC50E	N55E Elliptical	—
AM97EE	N91E Elliptical	N75ED Type 2 Elliptical
AV200C	N75C Spherical	—
AV300E	N32E Elliptical	—
AV400-HTE	N91E Elliptical	N91ED Elliptical
DM101MG	N91GD Spherical	N91ED Elliptical
DM103ME	N91ED Elliptical	—
DU10-M75E Type 2	—	N75ED Type 2 Elliptical
ETS-109E	—	N75ED Type 2 Elliptical
HTE	—	N75ED Type 2 Elliptical
HT9ES	N91E Elliptical	N91ED Elliptical
M3D	N3D Spherical	—
M3/N21D	N21D Spherical	—
M7D	N3D Spherical	—
M7DMF	N3D Spherical	—
M7/N21D	N21D Spherical	—
M8D	N3D Spherical	—
M21	N21D Spherical	—
M22	N22D Spherical	—
M24H	N24H Hyperbolic	—
M31E	N31E Elliptical	—
M32E	N32E Elliptical	—
M44C	N44C Spherical	—
M44E	N44E Elliptical	—
M44E-GSL	N44E Elliptical	—
M44EM	N44E Elliptical	—
M44G	N44G Spherical	—
M44MA	N44-7 Spherical	—

Cartridge Model	Direct Replacement Stylus Model*	Upgrade Replacement Stylus Model**
M44MB	N44-7 Spherical	—
M44MC	N44C Spherical	—
M44MF	N44G Spherical	—
M44MG	N44G Spherical	—
M44-5	—	N44G Spherical
M44-7	N44-7 Spherical	—
M55E	N55E Elliptical	—
M55EM	N55E Elliptical	—
M70B	N70B Spherical	N72B Spherical
M70EJ	N70EJ Elliptical	N72EJ Elliptical
M71C	—	N75C Spherical
M71EB	—	N75EJ Type 2 Elliptical
M71EMB	—	N75EJ Type 2 Elliptical
M71MB	N75-6 Spherical	N75B Type 2 Spherical
M71MC	N75C Spherical	—
M71-6	N75-6 Spherical	N75B Type 2 Spherical
M72B	N72B Spherical	N72EJ Elliptical
M72EJ	N72EJ Elliptical	—
M73G	—	N75G Type 2 Spherical
M73MG	—	N75G Type 2 Spherical
M73PE	N31E Elliptical	—
M73PED	—	N75ED Type 2 Elliptical
M73SG	—	N75G Type 2 Spherical
M74CSM	N74C Spherical	N75EC Elliptical
M74CSZ	—	N75EC Elliptical
M75B Type 2	N75B Type 2 Spherical	N75EJ Type 2 Elliptical
M75CS	N75C Spherical	—
M75E	—	N75ED Type 2 Elliptical
M75E Type 2	—	N75ED Type 2 Elliptical
M75ECS	N75EC Elliptical	—
M75ED Type 2	N75ED Type 2 Elliptical	N75HE Type 2 Hyperelliptical
M75EJ Type 2	N75EJ Type 2 Elliptical	N75HE-J Type 2 Hyperelliptical
M75E-D19	—	N75ED Type 2 Elliptical

Quick Information Guide

Replacement/Upgrade Stylus Chart

*Provides performance at least equal to original stylus
 **Provides improved performance at same tracking force range

Cartridge Model	Direct Replacement Stylus Model*	Upgrade Replacement Stylus Model**
M75E-D19 Type 2	—	N75ED Type 2 Elliptical
M75EM	—	N75ED Type 2 Elliptical
M75EM Type 2	—	N75ED Type 2 Elliptical
M75E-P20 Type 2	—	N75ED Type 2 Elliptical
M75E-95G	—	N75ED Type 2 Elliptical
M75E-95G Type 2	—	N75ED Type 2 Elliptical
M75G	—	N75G Type 2 Spherical
M75G Type 2	N75G Type 2 Spherical	N75ED Type 2 Elliptical
M75HE Type 2	N75HE Type 2 Hyperelliptical	—
M75HE-J Type 2	N75HE-J Type 2 Hyperelliptical	—
M75MB	N75-6 Spherical	N75B Type 2 Spherical
M75MB Type 2	N75B Type 2 Spherical	N75EJ Type 2 Elliptical
M75MG	—	N75G Type 2 Spherical
M75MG Type 2	N75G Type 2 Spherical	N75ED Type 2 Elliptical
M75MG-D	—	N75G Type 2 Spherical
M75 Type D	N75-6 Spherical	N75B Type 2 Spherical
M75-6	N75-6 Spherical	N75B Type 2 Spherical
M75-6 Type 2	N75B Type 2 Spherical	N75EJ Type 2 Elliptical
M75-6S	N75-6 Spherical	N75B Type 2 Spherical
M77	N77 Spherical	—
M77D	N77 Spherical	—
M77MD	N77 Spherical	—
M78EDT2	N70EJ Elliptical	N72EJ Elliptical
M80E	N55E Elliptical	—
M80E-D	N55E Elliptical	—
M80E-D19	N55E Elliptical	—
M81CS	N75C Spherical	—
M81ECS	N75EC Elliptical	—
M81MC	N75C Spherical	—
M91E	N91E Elliptical	N91ED Elliptical
M91E-50H	N91E Elliptical	N91ED Elliptical
M91E-D12	N91E Elliptical	N91ED Elliptical
M91E-GSL	N91E Elliptical	N91ED Elliptical
M91E-P20	N91E Elliptical	N91ED Elliptical

Cartridge Model	Direct Replacement Stylus Model*	Upgrade Replacement Stylus Model**
M91ED	N91ED Elliptical	—
M91ED-BJ	N91ED Elliptical	—
M91ED-DL	N91ED Elliptical	—
M91ED-GS	N91ED Elliptical	—
M91ED-GSL	N91ED Elliptical	—
M91ED-GZ	N91ED Elliptical	—
M91ED-PE	N91ED Elliptical	—
M91ED-PT	N91ED Elliptical	—
M91G	N91G Spherical	N91GD Spherical
M91GD	N91GD Spherical	N91ED Elliptical
M91MGD	N91GD Spherical	N91ED Elliptical
M92E	—	N91E Elliptical
M92G	—	N91G Spherical
M93E	N93E Elliptical	N75EJ Type 2 Elliptical
M95ED	N95ED Elliptical	N95HE Hyperelliptical
M95EJ	N95EJ Elliptical	—
M95G	N95G Spherical	N95ED Elliptical
M95HE	N95HE Hyperelliptical	—
M97B	N97B Spherical	N97EJ Elliptical
M97ED	N97ED Elliptical	N97HE Hyperelliptical
M97EJ	N97EJ Elliptical	—
M97EJ-AH	N97EJ Elliptical	—
M97GD	N97GD Spherical	N97ED Elliptical
M97HE	N97HE Hyperelliptical	—
M97HE-AH	N97HE Hyperelliptical	—
M97LT	N97LT Hyperelliptical	—
M98/A	N44-7 Spherical	—
M98EDT2	N95ED Elliptical	N95HE Hyperelliptical
M110E	N70EJ Elliptical	N72EJ Elliptical
M112EJ	N75EJ Type 2 Elliptical	N75HE-J Type 2 Hyperelliptical
M115ED	N95ED Elliptical	N95HE Hyperelliptical
M705EX	N75ED Type 2 Elliptical	N75HE Type 2 Hyperelliptical
M912ED	N91ED Elliptical	—
M919ED	N91ED Elliptical	—

*Provides performance at least equal to original stylus

**Provides improved performance at same tracking force range

Cartridge Model	Direct Replacement Stylus Model*	Upgrade Replacement Stylus Model**
M959ED	N95ED Elliptical	N95HE Hyperelliptical
M991ED	N75ED Type 2 Elliptical	N75HE Type 2 Hyperelliptical
M992E	N75EJ Type 2 Elliptical	N75HE-J Type 2 Hyperelliptical
M995ED	N95ED Elliptical	N95HE Hyperelliptical
M9111E	N91ED Elliptical	—
ME910EJ	N70EJ Elliptical	N72EJ Elliptical
ME930ED-11	N75ED Type 2 Elliptical	N75HE Type 2 Hyperelliptical
MV30HE	NV30HE Hyperelliptical	—
P3EC	N32E Elliptical	—
PHASE 1000-4	N91E Elliptical	N91ED Elliptical
P4EJ	—	N75EJ Type 2 Elliptical
R7C	—	N75C Spherical
R25EC	—	N75EC Elliptical
R25ED	N75EC Elliptical	—
R25EDT	N75EC Elliptical	—
R27E	—	N75ED Type 2 Elliptical
R27ED	—	N75ED Type 2 Elliptical
R47EB	—	N75EJ Type 2 Elliptical
R47ED	—	N75EJ Type 2 Elliptical
R47EDT	—	N75EJ Type 2 Elliptical
R700E	—	N75ED Type 2 Elliptical
R1000E	N91ED Elliptical	—
R1000ED	N75ED Type 2 Elliptical	—
R1000EDT	—	N75ED Type 2 Elliptical
R9000E	N95ED Elliptical	N95HE Hyperelliptical
R9000E-LWS	N95ED Elliptical	N95HE Hyperelliptical
RM900E	N91E Elliptical	N91ED Elliptical
RM910E	—	N75EJ Type 2 Elliptical
RM910ED	N91ED Elliptical	—
RM930C	N75C Spherical	—
RM950ED	N95ED Elliptical	N95HE Hyperelliptical
RS100	N3D Spherical	—
RS120E	N32E Elliptical	—
RS220E	N31E Elliptical	—

Cartridge Model	Direct Replacement Stylus Model*	Upgrade Replacement Stylus Model**
RXT4	—	N97ED Elliptical
SC35C	SS35C Spherical	—
SC39B	SS39B Spherical	SS39EJ Elliptical
SC39ED	SS39ED Elliptical	—
SC39EJ	SS39EJ Elliptical	—
SL95-M75E Type 2	—	N75ED Type 2 Elliptical
TM1E	—	N75EC Elliptical
TM1S	—	N74C Spherical
TM2E	—	N75EJ Type 2 Elliptical
TM3E	—	N75ED Type 2 Elliptical
V15	VN2E Elliptical	—
V15LT	VN45LT Hyperelliptical	—
V15 Type II	VN15E Elliptical	—
V15 Type II Improved	VN15E Elliptical	—
V15 II-D12	VN15E Elliptical	—
V15 II-GZ	VN15E Elliptical	—
V15-II-7	VN7 Spherical	VN15E Elliptical
V15 Type III	VN35E Elliptical	VN35HE Hyperelliptical
V15III-DL	VN35E Elliptical	VN35HE Hyperelliptical
V15III-GSL	VN35E Elliptical	VN35HE Hyperelliptical
V15III-GZ	VN35E Elliptical	VN35HE Hyperelliptical
V15III-G	VN3G Spherical	VN35E Elliptical
V15 Type III-HE	VN35HE Hyperelliptical	—
V15 Type IV	VN45HE Hyperelliptical	—
V15 Type IV-G	VN4G Spherical	VN45HE Hyperelliptical
V15 Type V	VN5HE Hyperelliptical	—
V15 Type V-G	VN5G Spherical	VN5HE Hyperelliptical
WC975	N91E Elliptical	N91ED Elliptical
24-0003	N3D Spherical	—
24-0044	N44E Elliptical	—
42-238	N3D Spherical	—

*Provides performance at least equal to original stylus

**Provides improved performance at same tracking force range

Cartridge Model	Direct Replacement Stylus Model*	Upgrade Replacement Stylus Model**
MONOPHONIC GROUP		
M44 Series	N44-1 Spherical	—
M55E	N44-1 Spherical	—
M80 Series	N44-1 Spherical	—
78RPM GROUP		
M98/A, V15	N44-3 Spherical	—
M70 Series	N70-3 Spherical	—
M72 Series	N70-3 Spherical	—
M91 Series	N91-3 Spherical	—
M92 Series	N91-3 Spherical	—
M93 Series	N91-3 Spherical	—
M95 Series	N95-3 Spherical	—
M97 Series	N978E Elliptical	—
SC35C	SS78E Elliptical	—
V15 Type II	N75-3 Spherical	—
M71 Series	N75-3 Spherical	—
M73 Series	N75-3 Spherical	—
M75 Series	N75-3 Spherical	—
M81 Series	N75-3 Spherical	—
V15 Type III	VN78E Elliptical	—
V15 Type IV	VN478E Elliptical	—
V15 Type V	VN578E Elliptical	—

Replacement Styli for Premier Series Cartridges

For cartridges labeled "Premier Series," refer to stylus grip for color code. Then choose the replacement stylus model.

Stylus Grip Color Code	Direct Replacement Stylus Model*	Upgrade Replacement Stylus Model**
Black	N75ED Type 2 Elliptical	N75HE Type 2 Hyperelliptical
Light Green	N75EJ Type 2 Elliptical	N75HE-J Type 2 Hyperelliptical
Yellow	N95ED Elliptical	N95HE Hyperelliptical
Beige	N70B Spherical	N72B Spherical
Light Green	N70EJ Elliptical	N72EJ Elliptical

Replacement Styli for SPS Series Cartridges

For cartridges labeled "SPS Series," refer to stylus grip for color code, then choose the replacement stylus model.

Stylus Grip Color Code	Direct Replacement Stylus Model	Upgrade Replacement Stylus Model
Brown	N11 Elliptical	—
Orange	N12 Elliptical	N11 Elliptical
Tan	N13 Elliptical	—
Blue	N14 Elliptical	—
Bright Green	N15 Hyperelliptical	—
Black	N16 Hyperelliptical	—

Replacement Styli for Designer Series Cartridge

For replacement styli for "Designer Series" Cartridges, refer to the stylus grip designation.

Stylus Grip Designation	Direct Replacement Stylus Model*	Upgrade Replacement Stylus Model**
HE	NDC-HE Hyperelliptical	—
ED	NDC-ED Elliptical	NDC-HE Hyperelliptical
EJ	NDC-EJ Elliptical	—

Replacement Styli for Shure/Dual TKS Series Cartridges

Cartridge Model	Direct Replacement Stylus Model*	Upgrade Replacement Stylus Model**
TKS-380E	N380E Elliptical	—
TKS-390E	N390E Elliptical	NV30HE Hyperelliptical

*Provides performance at least equal to original stylus
 **Provides improved performance at same tracking force range

Quick Information Guide

Styli for 78rpm Records · Monophonic · Hyperbolic

Spherical

Elliptical

Hyperelliptical



Tracking force and radius follow stylus number below.



N15



**N75HE-J
Type 2**



N97 LT



VN5HE



N16



N95HE



NV30HE



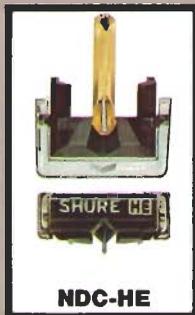
VN35HE



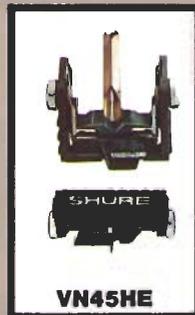
**N75HE
Type 2**



N97HE



NDC-HE



VN45HE

N15
¾-1½ g.
5 x 38 microns
(.0002 x .0015 in.)

N16
¾-1½ g.
5 x 38 microns
(.0002 x .0015 in.)

**N75HE
Type 2**
¾-1½ g.
5 x 38 microns
(.0002 x .0015 in.)

**N75HE-J
Type 2**
1¼-2½ g.
7.5 x 38 microns
(.0003 x .0015 in.)

N95HE
¾-1½ g.
5 x 38 microns
(.0002 x .0015 in.)

N97HE
¾-1½ g.
5 x 38 microns
(.0002 x .0015 in.)

N97LT
1¼ g.
5 x 38 microns
(.0002 x .00015 in.)

NV30HE
¾-1¼ g.
5 x 38 microns
(.0002 x .0015 in.)

NDC-HE
¾-1½ g.
5 x 38 microns
(.0002 x .0015 in.)



VN45 LT

VN5HE
1.0 g.
5 x 38 microns
(.0002 x .0015 in.)

VN35HE
¾-1¼ g.
5 x 38 microns
(.0002 x .0015 in.)

VN45HE
¾-1¼ g.
5 x 38 microns
(.0002 x .0015 in.)

VN45LT
1¼ g.
5 x 38 microns
(.0002 x .0015 in.)

QUICK INFORMATION GUIDE
Styli for 78rpm Records · Monophonic · Hyperbolic
Spherical
Elliptical
Hyperelliptical

Tracking force and radius follow stylus number below.



N91ED



N95EJ



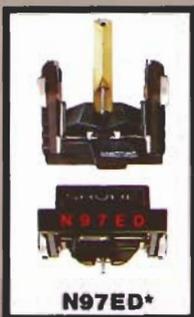
N390E



SS39EJ



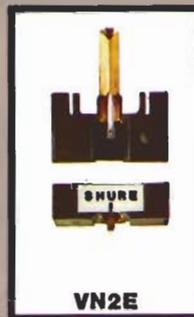
N93E*



N97ED*



NDC-ED*



VN2E



N95ED*



N97EJ



NDC-EJ



VN15E

N91ED

¾-1½ g.
5x18 microns
(.0002x.0007 in.)

N93E*

1½-3 g.
10x18 microns
(.0004x.0007 in.)

N95ED*

¾-1½ g.
5x18 microns
(.0002x.0007 in.)



N380E



SS39ED



VN35E*

N95EJ

1½-3 g.
10x18 microns
(.0004x.0007 in.)

N390E

¾x1¼ g.
5x18 microns
(.0002x.0007 in.)

SS39EJ

1½-3 g.
10x18 microns
(.0004x.0007 in.)

N97ED*

¾-1½ g.
5x18 microns
(.0002x.0007 in.)

NDC-ED*

¾-1½ g.
5x18 microns
(.002x.007 in.)

VN2E

¾-1½ g.
5x18 microns
(.0002x.0007 in.)

N97EJ

1½-3 g.
10x18 microns
(.0004x.0007 in.)

NDC-EJ

1½-3 g.
10x18 microns
(.0004x.0007 in.)

VN15E

¾-1½ g.
5x18 microns
(.0002x.0007 in.)

N380E

1½x1¼ g.
10x18 microns
(.0004x.0007 in.)

SS39ED

¾-1½ g.
5x18 microns
(.0002x.0007 in.)

VN35E*

¾-1½ g.
5x18 microns
(.0002x.0007 in.)

Styli for 78rpm Records · Monophonic · Hyperbolic
Spherical
Elliptical

Tracking force and radius follow stylus number below.



N11



N14



N44E



N75EC



N12*



N31E



N55E



**N75ED*
Type 2**



N13



N32E



N70EJ*



**N75EJ*
Type 2**

N11
¾-1½ g.
5x18 microns
(.0002x.0007 in.)

N14
1½-3 g.
10x18 microns
(.0004x.0007 in.)

N12*
¾-1½ g.
5x18 microns
(.0002x.0007 in.)

N31E
1-2 g.
5x18 microns
(.0002x.0007 in.)

N13
1½-3 g.
10x18 microns
(.0004x.0007 in.)

N32E
2½-5 g.
10x18 microns
(.0004x.0007 in.)



N72EJ



N91E*

N44E
1¾-4 g.
10x18 microns
(.0004x.0007 in.)

N75EC
2-4 g.
10x18 microns
(.0004x.0007 in.)

N55E
¾-2 g.
5x18 microns
(.0002x.0007 in.)

**N75ED*
Type 2**
¾-1½ g.
5x18 microns
(.0002x.0007 in.)

N70EJ*
1½-3 g.
10x18 microns
(.0004 x.0007 in.)

**N75EJ*
Type 2**
1½-3 g.
10x18 microns
(.0004x.0007 in.)

N72EJ
1½-3 g.
10x18 microns
(.0004x.0007 in.)

N91E*
¾-1½ g.
5x18 microns
(.0002x.0007 in.)

Tracking force and radius follow stylus number below.



N77



N95G*



N97GD*



SS39B*



VN4G*



N91G*



N97B*



SS35C



VN3G*



VN7



N91GD*

N95G*

¾-1½ g.
15 micron
(.0006 in.)

N97B*

1½-3 g.
15 microns
(.0006 in.)

N97GD*

¾-1½ g.
15 microns
(.0006 in.)

SS35C

4-5 g.
15 microns
(.0006 in.)

SS39B*

1½-3 g.
18 microns
(.0007 in.)

VN3G*

¾-1¼ g.
15 microns
(.0006 in.)

VN4G*

¾-1¼ g.
15 microns
(.0006 in.)

VN7

¾-1¼ g.
18 microns
(.0007 in.)

N77

3-6 g.
18 microns
(.0007 in.)

N91G*

¾-1½ g.
15 microns
(.0006 in.)

N91GD*

¾-1½ g.
15 microns
(.0006 in.)

Quick Information Guide
Spherical
Styli for 78rpm Records · Monophonic · Hyperbolic



N3D



N22D



N44-7



N72B*



N75C



N21D



N44C



N70B*



N74C*



**N75G*
Type 2**

N3D

3-6 g.
18 microns
(.0007 in.)

N21D

1½-2½ g.
18 microns
(.0007 in.)



N44G

N44-7

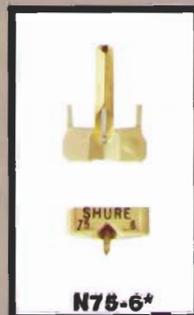
1½-3 g.
18 microns
(.0007 in.)

N70B*

1½-3 g.
15 microns
(.0006 in.)



**N75B*
Type 2**



N75-6*

N22D

¾-1½ g.
15 microns
(.0006 in.)

N44C

3-5 g.
18 microns
(.0007 in.)

N44G

¾-1½ g.
15 microns
(.0006 in.)

N72B*

1½-3 g.
15 microns
(.0006 in.)

N74C*

2-4 g.
18 microns
(.0007 in.)

**N75B*
Type 2**

1½-3 g.
15 microns
(.0006 in.)

N75C

3-5 g.
15 microns
(.0006 in.)

**N75G*
Type 2**

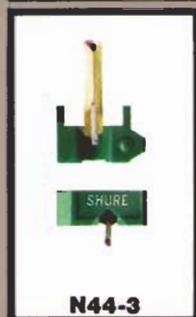
¾-1½ g.
15 microns
(.0006 in.)

N75-6*

1½-3 g.
15 microns
(.0006 in.)

78rpm Records

Monophonic Hyperbolic



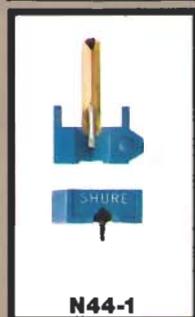
N44-3



N95-3



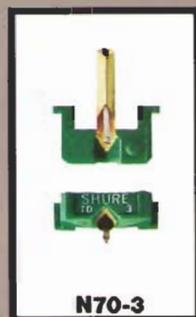
N75-3



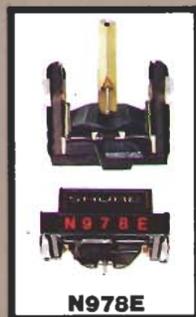
N44-1



N24H



N70-3



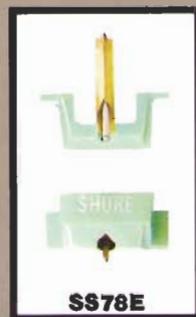
N978E



VN78E



N91-3



SS78E



VN478E

N44-3

Spherical
M98/A, V15
1½-3 g.
64 microns
(.0025 in.)

N70-3

Spherical
M70 Series
M72 Series
1½-3 g.
64 microns
(.0025 in.)

N91-3

Spherical
M91 Series
M92 Series
M93 Series
1½-3 g.
64 microns
(.0025 in.)

N95-3

Spherical
M95 Series
1½-3 g.
64 microns
(.0025 in.)

N978E

Elliptical
N97 Series
1½-3 g.
13 x 64 microns
(.0005x.0025 in.)

SS78E

Elliptical
SC35C
4-5 g.
13 x 64 microns
(.0005x.0025 in.)

N75-3

Spherical
V15 Type 2
M71
M73
M75
M81
1½-3 g.
64 microns
(.0025 in.)

VN78E

Elliptical
V15 Type III
1½-3 g.
13 x 64 microns
(.0005x.0025 in.)

VN478E

Elliptical
V15 Type IV.
¾-1¼ g.
13 x 64 microns
(.0005x.0025 in.)

N44-1

M44 Series
M55E
M80 Series
1½-3 g.
25 microns
(.001 in.)

N24H

1-1½ g.
7.5 x 76 microns
(.0003 x .0030 in.)

Quick Information Guide
Styli for 78rpm Records · Monophonic · Hyperbolic

Shure . . . The Ultimate in High Performance Phono Cartridge Technology

For more than 25 years, Shure Phono Cartridges have been tracking the outer limits of sound reproduction with the utmost precision. If you have become attuned to the high fidelity performance of a Shure Cartridge, then you are accustomed to the best. We are confident that once you have experienced the fullest range of recorded sound you will never be satisfied with less than the ultimate . . . a Shure high performance cartridge and genuine Shure stylus.

How to Know a Stylus When You See One

The Shure stylus assembly is the working "engine" of the cartridge. It is more than that little "needle" at the end of the cartridge. It is a complex, carefully crafted assembly of many precision miniature parts. Enormous care goes into every phase of its construction. Highly sophisticated equipment and test records designed and developed by Shure engineers are used to assure uniformity and unwavering adherence to specifications.

Doubly secure mounting

Ultra-thin-wall tubular stylus bar

Full diamond stone

Undercover Operation—What the Stylus Does

The role of a stylus, if thought of at all, is often misunderstood by those other than true audiophiles. However, accurate sound reproduction begins with this, the smallest component of a stereo system. Located within the cartridge shell, the stylus must perform an incredible feat. It must follow all modulations on the record without losing contact with the groove and yet do this at minimum tracking force so as not to cause undue record wear.

Converting the groove modulation into an electrical signal that will be carried through the rest of the system and converted to sound waves by the speakers is the primary function of the stylus assembly. Only a precisely made stylus of the best materials can meet this challenge without damaging the sensitive vinyl record surface or quickly wearing out.

The Stylus: How Long Will It Last?

There is no magic formula for determining how long your stylus should last. That is because there are many factors affecting the performance of your stylus—including the tracking force set on your tonearm, the condition of your records, how often you use your turntable and how carefully you handle your tonearm when playing your records. But one thing is certain—a worn or damaged stylus means trouble. It will degrade your hi-fi system's sound quality . . . and may actually ruin irreplaceable records in just a single play. To protect your valuable record collection, we recommend that you have your stylus checked at least once a year.

Stylus assembly carrier

Precisely adjusted, resonance-free support wire

High energy magnet

Viscoelastic suspension block

Pivot control

Center-mounted stylus bar

When It's Time for a Replacement . . . Insist on a Genuine Shure Replacement Stylus

Regardless of when or where you purchased your Shure Cartridge, there is a Genuine Shure Replacement Stylus available that will bring your unit right back to its original specifications. In fact, you may be able to significantly improve the performance of your cartridge with a Shure Upgrade Stylus . . . at a surprisingly low cost!

Accept no substitute. An inferior stylus will not only audibly detract from and significantly reduce your cartridge's overall performance, but also increase record wear. Look for the name Shure on the stylus grip and the statement, "This Stereo Dynetic Stylus is precision manufactured by Shure Brothers Inc." on the box—your assurance of quality.

Checking the Stylus for Wear

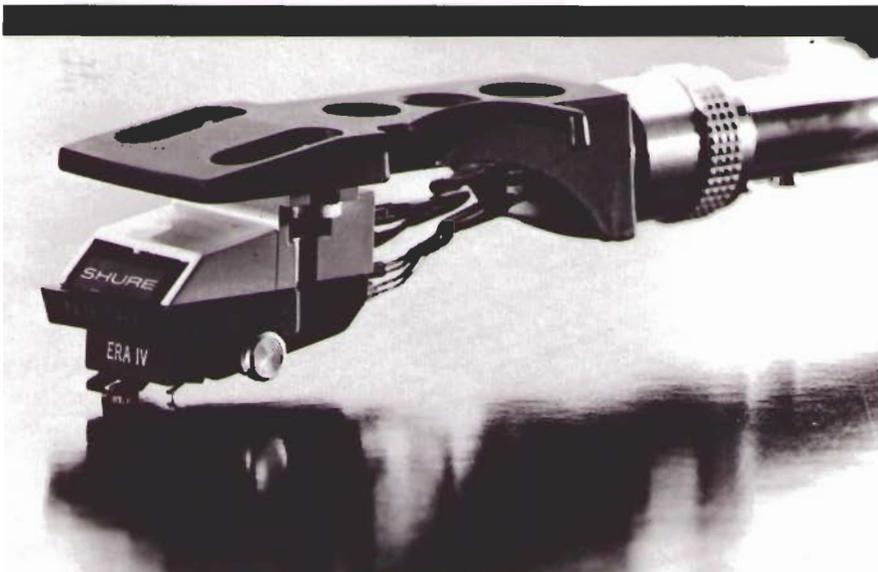
To the casual observer, it is impossible to see the difference between a badly worn stylus and a relatively unworn one. It takes a precision microscope and a trained eye to see the worn spots—and your Shure dealer has both! So whenever you're in doubt about the condition of your stylus, and at least once a year, take it to your nearby Shure dealer for an on-the-spot inspection.

The Care and Cleaning of Your Stylus

How to Protect Your Investment

A few recommendations to prolong the life of your stylus and avoid costly accidents:

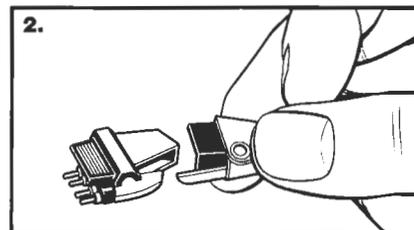
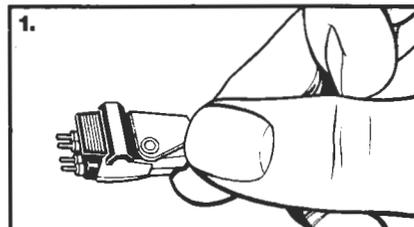
1. Follow the instructions carefully for inserting the stylus assembly into the cartridge, and for mounting the cartridge on the tonearm.
2. Check the suggested tracking force for your tonearm and be sure it matches the suggested tracking force for the stylus *before you buy the stylus*. Using a tracking force outside the recommended stylus range can cause stylus (and record) wear.
3. Follow the turntable or tonearm manufacturer's instructions to determine the proper antiskating force for your turntable.
4. Discard damaged records—playing them can ruin your stylus.
5. If your cartridge has a stylus guard, use it. Always keep the guard in place when the turntable is not in use, being dusted, etc.
6. Never activate the tonearm when there is no record on the turntable. (When the turntable is not in use, the tonearm should be secured to its rest post so the stylus is protected from accidentally being dropped on the turntable mat.)
7. Adjust the tonearm setdown so that the stylus sets down at the beginning of a record and does not strike the edge or the side of the turntable platter. (See the manufacturer's instructions.)
8. Do not handle the tonearm when a record is in play. Never try to manually pick up the tonearm from a record in play. (Handling can cause a tonearm to skip across the record.) If your turntable has a cueing device for gently lifting the tonearm, always use it.
9. If you must set tonearm onto the record manually, always release the tonearm as soon as the stylus or fibers of the Dynamic Stabilizer touches the record.
10. On record changers, never stack more than the recommended number of records. (See the manufacturer's instructions.)
11. Clean your stylus regularly, to remove dust and dirt which can interfere with performance.



How to Remove the Stylus

It is easy to remove a Shure stylus from the cartridge, following these directions.

1. Grasp the stylus grip between your thumb and forefinger.
2. Gently pull the stylus assembly from the cartridge.



Stylus Tips— Which One is for Me?

The shape of the diamond tip is the single most differentiating factor among styli. Certain shapes work better with one type of high fidelity equipment than with others. Basically the tip shapes are Spherical, Elliptical, Hyperbolic, and Hyperelliptical. Be sure to consult your Shure dealer when selecting a stylus for your system.



The Spherical Design was the earliest design and is probably the most common in use today. A spherical stylus has a simple, rounded tip. It is also called a conical tip. It was particularly well-suited to the early LP recordings, and pre-stereo records, although it is compatible with stereo recordings too.



The Elliptical Design is considered an improvement over the spherical shape. The elliptical tip is elongated, like an oval. It fits the record groove undulations better than the spherical tip. This means more faithful tracing especially at higher frequency ranges, with less distortion. And the elliptical design can work well with the newer, more lightweight tonearms and cartridges.



The Hyperbolic Design became popular when four-channel stereo was created. This design is intended for longer contact with the wall of the record groove. It can also be used on two channel stereo systems.



The Hyperelliptical (HE) Design is an improvement over all other tip shapes. It is today's state-of-the-art design. The area of the tip that actually touches the record groove wall is longer and narrower than any other shape. This allows it to reproduce sounds with less distortion.

How to Replace the Stylus

1. Remove the old stylus as described above.
2. Holding the new stylus between your thumb and forefinger, carefully press the new stylus into the open socket in the cartridge.

How to Clean Your Stylus

You will need a soft brush and Shure's Stylus Cleaning fluid* Both are available in the Shure Stylus Clean and Care Kit, model SK-1.

For best results, clean the stylus before each playing session:

1. Apply a drop of the cleaning fluid to the center of the brush.
2. Gently stroke the stylus *only* from the back of the cartridge to the front. *Never* brush sideways or front to back.

*A solution of ethyl alcohol and distilled water may also be used. Caution: other fluid cleaners are not recommended and can damage your stylus.



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