

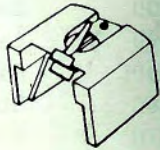



<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
FOR ADC CARTRIDGES				
PT.4; PT.4/E; Point 4; 650; 660/E; 770; 809/E	R-770; R-.4; R-.4E; R-8E; R-660; R-660E	red	PM2202D	 #1
10/E; 10/E MKII; 220; 220/E; 550E; 990/E	R-20; R-5E; R-9E; R-12E; R-20E	red	PM2212D	 #2
220X; 90X	R-20X; R-90X	tan	PM2214D	 #3
220XE; 230XE; 240XE; 250XE; 550XE; 660XE; 990XE; 10E-MK IV; 25	R-20XE; R-30XE; R-40XE; R-50XE; R-60XE; R-90XE; R-251; R-252; R-253; R-15E; R-26; R-27	black; tan	PM2215DE	
Q32; Q36	RQ32; RQ36; RQ40	lt. blue	PM2224DE	
K8; P30; Q30	RK8; RK9; RP30 RQ30	dk. blue; lt. blue	PM2225D	
K8E; K7E; K6E; P6; P32	RK8E; RK7E; RK6E; RP32; RP36	dk. blue; lt. blue	PM2226DE	
K3E; K5E	RK3E; RK5E	dk. blue	PM2227DE	
QLM30; QLM30MKII; QLM30MKIII; QLM33MKIII	RSQ30; RQLM30; RSQ31; RSQ33	black; gray	PM2232D	 #4
QLM32MKIII; QLM32	RSQ32; RQLM32	black; gray	PM2233DE	
QLM34MKIII; QLM36MKII; QLM36MKIII; INTEGRA XLMI; STXLM	RSQ34; RSQ36; RQLM36; RXMI	black; gray	PM2235DE may have needle guard	
VLM; XLM; XLMMKII; XLMMKIII; STXLMIII; Super XLM; STXLMII; INTEGRA XLMII; ZLM; INTEGRA XLMIII	RSX; RSZ; RZL; RVL; RXL; RXMII; 2000-1 RXMIII	black; gray	PM2237DQ may have needle guard	

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR ADC CARTRIDGES (CONT'D)

L-3; L-4; L-5

RL-3; RL-4; RL-5

blue;
red

PM2206D



NEW

LMA-1; LMA-3;
LMA-6

RLMA-1; RLMA-3;
RLMA-6

black;
dk. gray

PM2230DE



#6

PSX-5; PSX-5E
PSX-20; PSX-10

RPSX-5
RPSX-20; RPSX-10

red; blue

PM2240DE



PSX-40; PSX-30

RPSX-40; RPSX-30

smoke;
white

PM2241DE



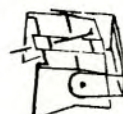
#116

ML-1

RML-1

green

PM2243D



black

PM2239DE



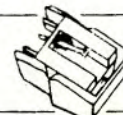
#85

Q-3, Q-4

RQ-3, RQ-4

blue; red

PM2242D



#5

SX-5; SX-5E

RSX-5; RSX-5E

black

PM2205D



#182

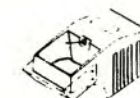
FOR ACUTEX CARTRIDGES (PIEZO)

M306II

306/II

white;
yellow

PM2890D



M320III STR;
M307IIE; M310IIE;
M312III STR;
M315III STR;

307/II; 310/II;
312/III; 315/III;
320/III

black; red;
yellow; blue;
gray

PM2891DE



#17

FOR AIWA CARTRIDGES

M-95ED

N95ED

yellow

PM3155DE



#59

AF-5100

AN-1A; AN-35

red

PM3096D



#107

AN-2; AN-50

black

PM2318D



#145

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

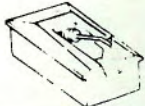
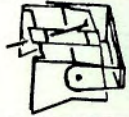
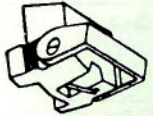

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR AIWA CARTRIDGES (CONT'D)

	AN-5; 84-118-963-01	red; gray	PM2298D	●		#26
	AN-6	green	PM2823D	●		#62
	AN-D7	yellow	PM2304D	●		#23
	AN-10; AN-20	blue; red	PM3095D	●		#106
	AN-F10	green	PM2243D	●		#85
	AN-30	blue	PM2017D	●		#159
	AN-36	gray; green	PM3099D	●		#110
APD-60	AN-60	blue	PM3203D	●		#142
	AN-70	black	PM2317D	●		#144
	AN-110	black	PM3210D	●		#143
	AN-8743	black; orange	PM3116D	●		#122

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s















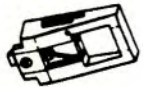





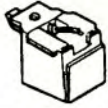

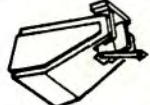
ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR AKAI CARTRIDGES

APC-2; APC-5	APN-2; APN-5	lt. gray; yellow	PM2276D			
APC-4	APN-4	brown; ivory	PM2280DQ			#11
RS-3 PC-7	RS-3 RS-7	black; gray	PM2309DE			#81
	RS-3J	red	PM3094D			#105
LMB-5, 12; SMB-5	RS-5; RS-41	black	PM3026DE			#96
PC-10	RS-10	black	PM2019D			#158
PC-33 PC-35	RS-33 RS-35	black; white; ivory	PM2315D			#83
	RS-50; RS-50E	black	PM3052D			#181
PC-77	RS-77	black	PM2317D			#144
PC-83; PC-85	RS-83; RS-85	yellow; black; brown	PM2298D			#26
PC-82	RS-82	red; green	PM2312D			#114
PC-84	RS-84	red; blue	PM3203D			#142

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s










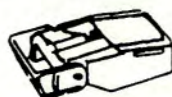



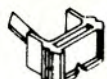
ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

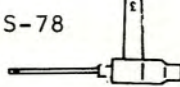

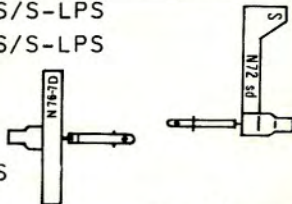
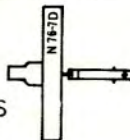
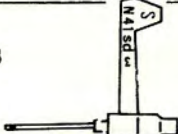
EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR AKAI CARTRIDGES (CONT'D)

PC-90 PC-95	RS-90 RS-95	yellow; black; green	PM2304D			#23
PC-100 PC-120	RS-100 RS-120	black; yellow	PM2890D			#17
PC-150E	RS-150E	black; brown	PM2278DE			#15
PC-180	RS-180	black; burgandy	PM2284DE			#12
PC-200	RS-200	black	PM2324D			#152
M-75B/II	N75B/II	black; dk. gray	PM3128D			#52
M-91ED	N91ED	black; dk. gray	PM3136DE			#53

FOR ASTATIC CARTRIDGES

SERIES 17;135; 217;GE EA97X155	SERIES 41; 42;44		2117DS	D-LPS/S-78	
SERIES 163D;177D; 197D; 669D	SERIES N2SD		2644DS	D-LPS/S-78	
SERIES 133;137; 138;139;140;142; 146;148;192;217; 233;237;253;346; 348;459;483;485; 496;497;602.	SERIES N50;N51;N60; N62;N63;N68;N70;N72; N76.		2123 2123DS	S-LPS/S-LPS D-LPS/S-LPS	
SERIES 445;447; 463	SERIES N52;N53;N54; N55		2127D	D-LPS	
			2117DS	D-LPS/S-78	

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

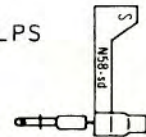
TIP/FIGURE
STYLE

FOR ASTATIC CARTRIDGES (CONT'D)

SERIES 153;155;
157;257;341;343;
345;461;465;479;
481;499.

SERIES N56;N58

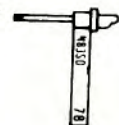
2122DS D-LPS/S-LPS



SERIES 163;165;
271;273;275;349;
351;353;355;613;
665.

SERIES N64;N66;
N74;N83;N84.

2130DS D-LPS/S-LPS



215 &D
WURLITZER#133352

N14 &SD

2132DS D-LPS/S-LPS



SERIES 201;205;
209;211.

SERIES N89;N92
N93;N99

2135DS D-LPS/S-78



SERIES 118;120;
124;310;312;414;
416;420;422;424;
426;609;






SERIES N8-1;N8-3;
N7-7;N8-7

3009 S-LPS
3009D D-LPS



NEEDLES ARE IDENTICAL. 70TS;74TS;76TS&TB;80TS;86TS&TB

FOR AUDIO TECHNICA CARTRIDGES

AT-4	AT4-7D	orange; brown;green; gray; red	PM2472D	●		#65
AT-6	AT6-5D; AT6-7D	white;red; gray; black; ivory	PM2834D	●		#61
AT-VM8; AT-VM8U; AT-10	ATS-10; VM8-7D ATS-10L; ATS-12C	red; ivory; gray; brown	PM2275D	●		
AT-11	ATS-11	yellow; brown	PM2276D	●		
AT-11E; AT-90E; AT-1100E; PRO-11E	ATS-11E	green; purple	PM2277DE	●		
AT-12E; PRO-12E	ATS-12	blue;gray; ivory	PM2278DE	●		
AT-12S; AT-12SA; AT-12XE; AT-1200SA; AT-1200XE; AT-96E	ATN-12S; ATN-12XE; ATS-12S; 12S	caramel; ivory; white; brown; black; silver; gray	PM2280DQ	●		#11

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s


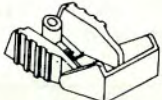

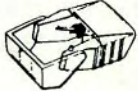

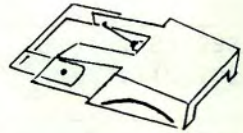

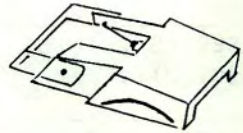

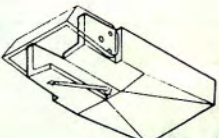

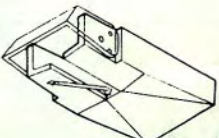



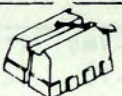

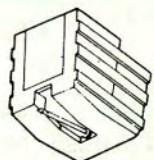

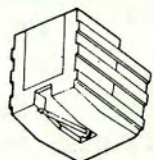

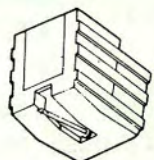


ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR AUDIO TECHNICA CARTRIDGES (CONT'D)

AT-13E; AT-35; AT-35X; AT-35U; AT-VM35; AT-VM35U; PRO-13E	ATS-13; AT35-5D; AT35-EL; VM35-EL	chinese orange; red	PM2279DE			
AT-14S; AT-VM35F; AT-VM35FU; PRO-14S	ATS-14; VM-35FD	burgandy; purple	PM2281DQ			#15
AT-13EA	ATN-13	chinese red; green; yellow	PM2284DE			
AT-14SA	ATN-14	burgandy; purple; black	PM2285DQ			#12
AT-15XE	ATN-15XE; XE	black	PM2287DE			
AT-15S; AT-15SA; AT-15SS; AT-20SL; AT-20SLA; AT-20SS	ATN-15; ATN-15SS; ATS-15; ATN-20; ATN-20SS; ATS-20; ATN-20SLA;	black	PM2282DQ			#14
AT-21; AT-21X; AT-66; AT7B-7D;	AT21-5D; AT66-7D AT21-EL;	yellow; lt. gray	PM2848D			#64
AT-55	AT55-7D	orange; white	PM2305D METAL INLAY			#65
ATP-1; ATX-1; ATX-11	ATP-N1; ATX-N1; ATX-N11	gray; white	PM2291D			
ATP-2; ATX-3E	ATP-N2; ATX-N3	gray; white	PM2292DE			
ATP-3; ATX-5E	ATP-N3; ATX-N5	gray; white	PM2293DE			COMPASS SERIES #24
AT-30; -30E	ATN-30; -30E; -30HE	BLACK	PM2324D			#152

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s



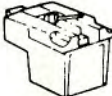








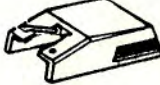
ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR AUDIO TECHNICA CARTRIDGES (CONT'D)

AT-51;-51E;-52; -52E;-53;-53E;-55XE; -55XE;-57XE;-59XE	ATN-51;-51E; -52;-52E;-53;-53E; -55E;-57XE;-59XE	black; purple	PM2314DE		#82
AT-70; AT-770; AT-70L	ATN-70; ATN-770; ATN-70L	red; gray; blue; black	PM2294D		
AT-71; AT-72; AT-771; AT-772	ATN-71; ATN-72; ATN-771; ATN-772;	yellow; brown; black; orange; gray	PM2295D		
AT-71E; AT-72E; AT-771E; AT-772E	ATN-71E; ATN-72E; ATN-771E; ATN-772E;	blue; green	PM2296DE		#21
AT-105	ATN-105	yellow	PM2299D		
AT-110E	ATN-110E	blue	PM2300DE		#22
AT-103	ATN-103	yellow; red	PM2313D		
AT-120E; AT-130E; AT-135E; AT150E	ATN-120E, ATN-130E; ATN-135E; ATN-150E;	gold; blue; orange; black	PM2301DE		
AT-125LC; AT-130LC; AT-140LC	ATN-125LC; ATN-140LC; ATN-152LP; ATN-130LC;	ivory; burgandy	PM2302DQ		
AT-155LC	ATN-155LC	black	PM2303DQ		#13
AT-102P; AT-102EP; AT-112EP	ATN-102P; ATN-102EP; ATN-112EP;	blue; green; gray	PM2309DE		
AT-122EP; AT-122LP; AT-132EP; AT-152LP	ATN-122EP; ATN-122LP; ATN-132EP; ATN-152LP;	red; black; gold; brown; ivory	PM2311DE		#81

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

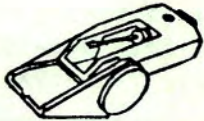








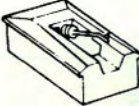


ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR AUDIO TECHNICA CARTRIDGES (CONT'D)

AT-201EP; AT-216EP; AT-231LP	ATN-201EP; ATN-216EP; ATN-231LP	ivory; brown; blue	PM2316DE		#146
AT-312P;-EP	ATN-312P;-312EP	black; orange	PM2323D		#151
AT-750	ATN-750	gray; red; black; orange	PM2306D		#77
AT-892	ATN-892;	black	PM3097D		#108
AT-936	ATN-936;	red; white; black; orange	PM2307D		#78
AT-952	ATN-952;	black; red; white	PM2308D		#79
AT-3100; -3200	ATN-3100; -3200;	black; red; blue	PM2319D		
AT-3100E, -XE; AT-3200E, -XE	ATN-3100E, -XE; ATN-3200E, -XE	black; red; brown	PM2320DE		#150
AT-3230	ATN-3230	black	PM2325D		#153
AT-3400,-C; AT-3401 AT-3410;AT-3450,-L; AT-3451;	ATN-3400,-C; ATN-3401,-3410; ATN-3450,-L; ATN-3451;	brown; black; red; blue; gray; orange; yellow; white; violet	PM2298D		#26
AT-3472P; AT-101P; AT-3492P;	ATN-3472;ATN-101; ATN-3492	white;red; ivory;black; gray; green; blue	PM2315D		
AT-3472EP;AT-101EP; AT-3492EP	ATN-3472EP,ATN-101EP; ATN-3492EP	brown; ivory	PM2321DE		#83

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s


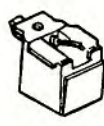




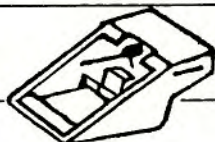
ORIGINAL
NEEDLE #s

ORIGINAL
COLORS



EVG
NEEDLE #

TIP/FIGURE
STYLE

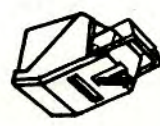
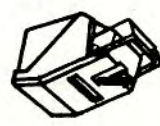
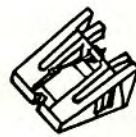
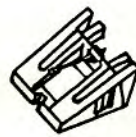
FOR AUDIO TECHNICA CARTRIDGES (CONT'D)

AT-3600,-L,-C AT-3601;AT-3650; AT-3651	ATN-3600,-L,-C ATN-3601;ATN-3650; ATN-3650C,-L;-3651;	red; yellow gray; orange purple; black	PM2312D		
AT-3651E; AT-3652	ATN-3651E; ATN-3652E;	green; blue	PM2322DE		#114
AT-3660	ATN-3660YL	yellow	PM2326D		NEW
AT-3710; AT3711,-E; AT-3712	ATN-3710; -3711, ATN-3711E;-3712;	green; black yellow; red	PM2304D		#23
AT-3721	ATN-3721	black; yellow	PM3077D		#97
AT-3830; AT-3831	ATN-3830; ATN-3831;	black	PM2318D		#145
AT-3851	ATN-3851;	black	PM2317D		#144

FOR A. U. E. CARTRIDGES

CP-28S		white	PM2853D		#76
CP-30; CP-33		white; orange	PM2854D		#80

FOR AZDEN CARTRIDGES

YM-10C	AN-10C	black	PM2483D		
YM-10E, YM-10VE	AN-10E, AN-10VE	blue	PM2484DE		#121
YM-P50C	AN-P50C	clear; black	PM2485D		
YM-P20E; YM-50E; YM-50VL	AN-P20E; AN-50E; AN-50VL	blue; black	PM2486DE		#124

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR BANG & OLUFSEN CARTRIDGES

SP1; SP2; SP3;
SP6; SP7; SP8;
SP9; SP10; SP12;
SP14; Stereodyne II;
Stereodyne III

RD-7; SRD-7

black; red PM2410D



#27

FOR BROTHER CARTRIDGES

BR-26

black

2481D

D-LPS

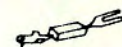


120-1

black

2829D

D-LPS



120-200

3009D

D-LPS



Y-640, 642-A
ST-20

ST-6D

white

PM3193D



#187

BR-42

DN-16

yellow;
white

PM3090D



#101

BR-51X

49-5X

yellow;
black;
white

PM2924D



#70

FOR BSR CARTRIDGES

TC8H, TC8M,
TC8S, TC8SH

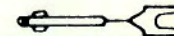
TC8R, -8RS, -8ST,
-8RD, -8G

3009

S-LPS

3009D

D-LPS



SERIES C-1; SC5H;
SX1; SX2; SX5; SX6;
X1; X2; X3; X4; X5.

ST-3, -4, -5, -6

2421DS

D-LPS/S-LPS

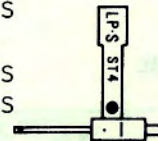
ST-8, -9, -10

2424

S-LPS/S-LPS

2424DS

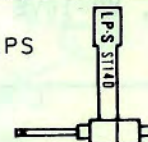
D-LPS/S-LPS



SC5M; SX6H, SX6M,
X4M, X5M

2427DS

D-LPS/S-LPS



SERIES SC7; SC8;
SC10; SC12.

SERIES ST-16; -17;
-20; -21.

2428DS

D-LPS/S-LPS



NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

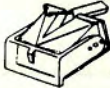
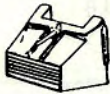

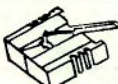


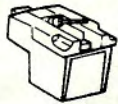


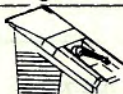

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS


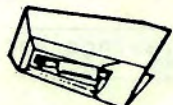
EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR C. E. C. CARTRIDGES

MG-1; MG-II	CN-1; CN-2	red	PM3096D	●		#107
PC-1	RS-1; MM-1	gray; red; black; orange	PM2306D	●		#77
MM-3	RS-3	tr. green	PM2020D	●		#160
MC-5	MC-5A; MC-5S MC-5LS	yellow; brown; white	PM3090D	●		#101
MC-6	MC-6S	white; gray	PM2834D	●		#61
MC-7; MC-20	MC-7S; MC-20S	red; lt. gray	PM2848D	●		#64
VC-10	VC-10S	gray; yellow	PM2295D	●		#21
MC-12	MC-12S	gray; red	PM2275D	●		#11
F-15E	N-15E	white	PM3023DE	●		#67
	N-103	black; white; ivory	PM2315D	●		#83
	ST-630	clear	PM2351D	●		#156

FOR CHUO DENSHI CARTRIDGES

	CZ-699	gray; red	2441D	●		#177
CZ-698-3	CZ-800	red; gray	2440D	●		#154

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR CHUO DENSHI CARTRIDGES CONT'D

6-2098-1
6-2070-2

CZ-680

black

2481D D-LPS

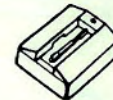


6-2188-1A
PA-51M-15

CZ-398-1

white

2480D D-LPS



FOR CROWN CARTRIDGES

AM-X-82;
AM-X-86;
AM-X-90

AM-XA-82
AM-XA-86
AM-XA-90

gray; red

PM2275D



AM-X97

AM-XA-5

yellow

PM2276D



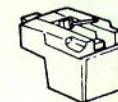
#11

AM-X-87

AM-XA-1

yellow

PM2295D



#21

FOR DENON (COLUMBIA-JAPAN) CARTRIDGE

PU-1058C;
JC-14; C590M

DSN-1; DJN-1
JN-330

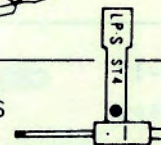
2829D D-LPS



PU-1270; -1280

DTS-2, JTS-2

2421DS D-LPS/S-LPS



JM-24

DSN-50

red;
black

PM2306D



#77

JN-10; JN-78;
PU-1340; PU-1344
PU-1678; SMC-250

DSN-10; DSN-11;
DSN-12; DSN-13
DSN-18; DSM-23;

white; red;
black; ivory;
gray

PM2834D



#61

PUH-30; PV-1556

DSN-15

white

PM2848D



#64

GM-20

DSN-24

red

PM2472D



#

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s






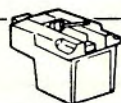




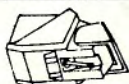

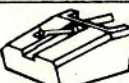

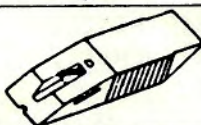



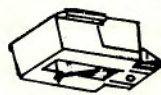





ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR DENON (COLUMBIA-JAPAN) CARTRIDGE CONT'D

JM-12	DSN-28	yellow	PM2276D			
	DSN-54	green	PM2277DE			
JM-13	DSN-30	gray	PM2280DQ			#11
JM-18	DSN- 39; DSN- 39C	yellow	PM2295D			#21
JC-24	DSN-45	black	2481D	D-LPS		
	DSN-48	red	PM3096D			#107
	DSN-55	orange; black	PM2483D			#121
	DSN-57; -66	red	PM3095D			#106
DL-61	DSN-61	gray	PM2024D			#161
DL-62	DSN-62	gray	PM2025D			#162
JM-63	DSN-63	black	PM2318D			#145
	DSN-67	red	PM3102D			#118
	DSN-68	green	PM2243D			#85
	SJN-68	red; gray	2440D			#154

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s



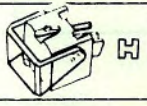

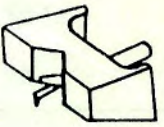
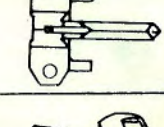
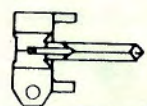
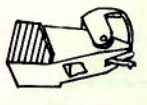



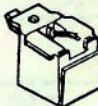

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

DUAL CARTRIDGES

	DN-105	green	PM2243D	●		#85
SP-1	DN-301	black; red	PM2410D	●		#27
FF15/II-D	DN-363; DN-350; DN-353	red	PM3024D	●		#67
V15/IIIDL-M	DN-352	black	PM3146DE	●		#58
V15/AC; V15/DAC	DN-311; DN-314	gray; blue	PM4007D	●		
V15/AT	DN-315	gray	PM4006D	●		#42
M44MF; M44MG	DN-305	gray; white; red	PM3117D	●		#51
ULM50E; TKS52E; ULM60E; ULM65E; ULM66E	DN150E; DN155E; DN160E; DN165E; DN166E	black	PM3027DE	●		#128
M71MB-D; M73G; M73MG; M75D; M75G; M75MG; M91MGD; M101MG	DN-320; DN-321; DN-323; DN-325; DN-330; DN-340; DN-365	beige; dk gray; red; green	PM3128D	●		#52
DM103ME	DN-345	yellow; black	PM3136DE	●		#53
D-105-ED; D-360; D-362; M95ED; M95G-LM	DN-360; DN-362; DN-370	black; dk gray; yellow	PM3155DE	●		#59
DMS-235; DMS-239	DN-235; DN-239	white	PM2312D	●		#114
MMP-450	DN-450	white	PM2315D	●		#8.

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

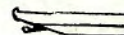
FOR ELAC CARTRIDGES

PE8000; STEREO TWIN;
200; 200D; 220;
222; 240; STS-210;
STS-300; STS-310;
STS-322

DM-220; DM-222;
DM240; DM-310;
DNM-210

gold

PM2556D



#9

STS-155-17;
STS-244-17;
STS-244-C;
STS-244-G;
STS-255-17;
STS-344-17;
STS-355-17; STS-444-12;
STS-455-12; STS-555-12;

D-155-17; D-244-C;
D-244-G;
D-255-17; D-355-17;
D-444-12; D-455-12;
D-555-12

black; gray

PM2560D



#71

FOR ELECTRO-VOICE CARTRIDGES

TPM-1C

dk. blue

PM4401D



TMP-2E

white

PM4402DE



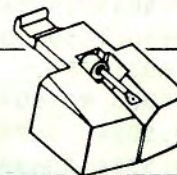
#157

5601D

2650D

red

PM2650D



#38

600D; 6010D;
86454; V-100;
V-100B; LANDMARK 100

2660D; 87069;
AT-8L

red

PM2275D



6009D

2669D

yellow

PM2276D



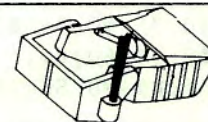
#11

6012D

2671D

red

PM2671D



#16

21,22,26,27
SERIES
126 - 129
SERIES

S1-1; D1-1; S3-3;
2604 & D; 2605

2604
2604D

S-LPS
D-LPS

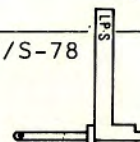


117; 131 & D;
148 & D; 154 & D;
259 & D; 160 & D

2616 & DS
J-77X & SD

2616DS

S-LPS/S-78



NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

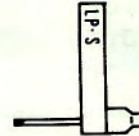
TIP/FIGURE
STYLE

FOR ELECTRO-VOICE CARTRIDGES CONT'D

132;141 &D; 149
&150 SERIES;
157 &D;158 SERIES
163 &D;169 &D
186 SERIES 256 &D;
258 &D; 278 &D;
79 &D;280D; 289.

2619 &DS
2620 &DS
2622 &DS

2622DS D-LPS/S-LPS

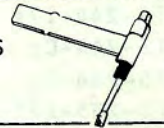


Early Production Models

198 &D;199 &D;
275 &D;5166 &D

2624 &DS

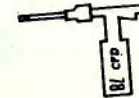
2624DS D-LPS/S-LPS



181 &D;182;
5000 - 5005 &D
5010 - 5018 &D
5050D,-51D,-53D
-58D,-67D,-75D,
-85D,-86D,-88D,
-92D; 5168 - 5170 &D;
5558 - 5563D;5583;
5606D; 5622D;5800D

CBD &S;CCD &D;CFD &S
CHD &S;CJD;JBD &S
JCD &S;JFD;JHD;JJD &S;
JKD &S;KBD;KCD;KMD &S;
MFS;2630 &DS;2632 &DS
2633 &DS;2634 &DS;2635DS;
2648DS

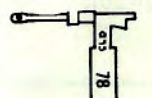
2625DS D-LPS/S-LPS



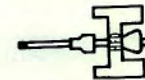
5026D;5017D;5034D;
5043D-5045D;5056D;
5057D;5061;5064D;
5076 &D;5078D;
5080-5086 &D;5093D;
5094D;5096D;5099D;
5199D;5336;5543D;
5544D;5582D;5808D.

BKD;CKD CKS;CLD &S;
CMD &S;FKS;FLS;HCD &S;
HFD &S;HKD;HLD &S;JJD;
JKD &S;KKD;KLD &S;
KMD &S;2637 &DS;2638;
2639D;2646 &DS;2641 &DS
2642DS

2636DS D-LPS/S-LPS



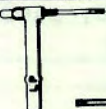
2640 S-LPS
2640D D-LPS



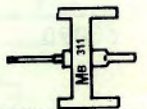
168 &D;175D;198 &D;
199 &D;275 &D;277 &D;
282 &D;284 &D;5095D;
5097D;5098D;5149D;5166 &D

3005 &D
3006 &D

2644 S-LPS/S-78
2644DS D-LPS/S-78

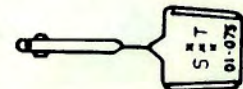


2647D D-LPS



30 &D;35 &D;36 &D;
42 &D;55;80;82;
86-88;85-98 SERIES
135

3005D D-LPS



NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR ELECTRO-VOICE CARTRIDGES CONT'D

57-71;77-94;99;
100;102;103;119-121;
130;142-146 &D;164;
165;167;191;196;245;
246;265;295-297;
5175,-78&D,-79,-80,
-84,-85;5200,-01,
-03,-04,-06,-12,-13,
-15,-16,-19,-22,-27,
-28,-31,-46,-48;
5325,-26,-29,-34,-38,
-72,-73,-75,-76;5440D;
5442-5465;5486.

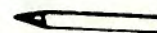
3000-3002 &D
3410 &D;3411;
3412;3425

3009 S-LPS
3009D D-LPS



All thumb screw &
Set screw cartridges

3805 Steel



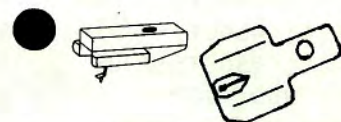
FOR EMPIRE CARTRIDGES

88, 108, 108P

S-88-7RD;
S-108-7RD;
S-108P-5RD;

white

PM2400D



#28

880; 880P; 880PE

S-880P-6RD;
S880-7RD;
S880PE-ERD;

green;
black

PM2401D



#8

888; 888P

S-888P-6RD;
S-888-7RD

brown;
orange

PM2403D



#29

808; 808E; 80EE

S-808-7RD;
S-80EE-ERD;
S-808E-ERD;

black; red

PM2415D



888E; 888PE;
888SE; 888TE;
888VE; 999VE

S-888E-ERD;
S-888PE-ERD;
S888SE-ERD;
S888TE-ERD;
S888VE-ERD;
S999VE-ERD

blue; pink;
green; purple;
white; yellow

PM2407DE



#30

909/X
999/X

S909/X
S999/X

gray
brown

PM2392D

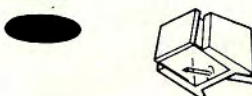


90EE/X
909E/X
999E/X
999SE/X
999TE/X
999VE/X
1000ZE/X

S90EE/X;
S909E/X;
S999E/X;
S999SE/X;
S999TE/X;
S999VE/X;
S1000ZE/X

orange
red
green
blue
white
purple
black

PM2395DE



#34

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

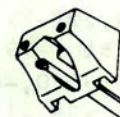
FOR EMPIRE CARTRIDGES (CONT'D)

66/X; REX & PVT.
Label Series

S66/X-7RD; S906;
S66/X; S440
Many More

red

PM2390D



#31

66E/X; 66EE/X;
66LE/X; 66PE/X;
66QE/X; 700T;
2000X; REX & PVT
Label Series

S906E; S440
S66E/X-ERD;
S911E; S66LE/X;
S910E; S912E;
S917E; S66PE/X;
S66QE/X; S700T;
S2000X; Many More

black;
yellow;
purple; white;
metallic red

PM2389DE



100S; 200E; 280LT

S22E; S100S;
S200E; S200LTD;
S30LT; S30ST;
OP120;

blue; pink;
yellow;
orange

PM2418DE



#35

300ME; 380LT;
400TC; 480LT;
500LD; 580LT; 600;
800; 900; 980;
1000; 1080 Series

S44E; S300ME;
S55E; S400TC;
S400LTD; S60;
S500LD; S500LTD;

smoke;
green; red;
tangerine;
purple

PM2420DE



PM2419DE NLA

2000; BC-1

S2000; SBC-1;

smoke;
yellow

PM2384D



2000E

S2000E

red
translucent

PM2385DE

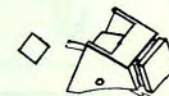


2000E/III;
2000E/II;
2000E/I

S2000/III;
S2000E/II;
S2000E/I

translucent
clear; blue;
green

PM2388DE



#31 or #32

4000D/III;
4000D/II;
4000D/I; 77-D4;
404/CDQ

S4000D/I
S440D;
S4000D/III;
S4000D/II

black; blue;
white; yellow

PM2383DQ



2000Z; 2000T;
600T

S2000Z; S2000T;
S915E; S600T

gold;
metallic blue;
metallic silver

PM2380DE



#33

15X; 150C; 370C;
LTD150; OP100;
RM05

SC1; S3D

black

PM2483D



40E; 250E; 475E;
LTD250; OP110;
RM20

SE1

blue

PM2484DE



#121

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

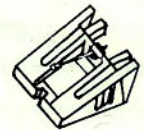
FOR EMPIRE CARTRIDGES (CONT'D)

190LT; 1C

S111

clear;
black

PM2485D



290LT; 390LT;
3E

S333; S875

blue;
black

PM2486DE



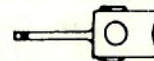
#124

FOR EUPHONICS CARTRIDGES

U-1,U-2,U-4,U-5 Series

214,215,216

2677D D-LPS



U-8, U-10, U-88 Series

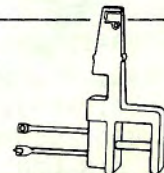
253,255

2679 S-LPS/S-78

U-9,U-11,U-89,U-98 Series

254,256

2679DS D-LPS/S-78



U-15,U-17, Series
U-19-14,U-21 Series

508,509,510,511,512,
530,551,552,601

2682DS D-LPS/S-78



FOR EXCEL CARTRIDGES

ME-55

S-55

red

PM2028D



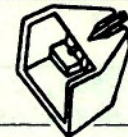
#163

ME-65

S-65

clear

PM2029D



#164

ES-70

S-70

blue;
yellow

PM3208D



ES-70E; ES-70EX;
ES-70ER; ES-70FR

S-70E; S-70EX;
S-70ER; S-70FR

brown;
translucent;
red

PM3209DE



#139

ES-70EX/II

S-70EX/II

translucent
brown

PM2891DE



#17

FOR FISHER CARTRIDGES

See: SANYO

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

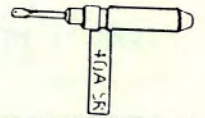
TIP/FIGURE
STYLE

FOR GARRARD CARTRIDGES

GDS-2, GSS-1
KS-40A, KS-41A, B, C

AD, AS

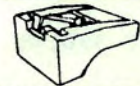
3233DS D-LPS/S-LPS



GA-150

yellow

PM2304D



#23

GS-22; GS-22E

black

PM2314DE



#82

FOR GENERAL ELECTRIC CARTRIDGES

New VR-11 Series
4G-040, 41, 50, 52, 53,
61, 63, 4GS-, 01D, 02D,
01D-02D, 01D-02S, 01S,
02S, 01S-02D,

4G-01D, 4G-01S,
4GS-7D, 4GS-7S

2733D D-LP

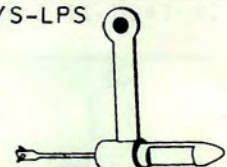


Fits this series only. Not interchangeable with earlier type.

C-100, EA97X250
RS3824, C-100A, C-200,
C-400, C-450, EA97X497,
EA97X469, RS4694

EA1004, EA97X216,
EA97X248, EA97X249,
EA97X561, EA97X572,
RS3825, RS4154,
RS4413, RS4634, TA-1, TA-2

2739DS D-LPS/S-LPS



VR-1000-5, VR-1000-7

DR-3D,

white

2751DE D-ELL-LPS
(.3x7)



VR-1000-3

DR-5D, DR-7D,

C-50, C-500, C-600,
C-650, EA80X165,
EA80X209, RS6527,
EA80X234, RS6770,
EA1013

EA-1014, EA2055, EA2060,
EA2903, EA80X166,
EA80X235, EA80X324,
RS6528

2744 S-PS/S-LPS

2744DS D-LPS/S-LPS



C-660

EA2224, EA80X432

2752 S-LPS

EA2223, EA80X431

2752D D-LPS



FOR GRADO CARTRIDGES

BCR; BCR/D; BTR;
BTR/D; HK-BCR

BCR/S; BTR/S

lt. gray

PM2721D



#36

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR GRADO CARTRIDGES CONT'D

FCE,FCR,
FTE,FTR.

FCE/S,FCR/S,
FTE/S,FTR/S.

dk. gray

PM2723DE



XF3E/S

dk. tan

PM2724DE



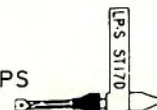
#37

HITACHI CARTRIDGES

HRD-100; 101

DS-5T

2428DS D-LPS/S-LPS



DS-LP1; ST2

2829D D-LPS



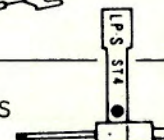
HN-LP; SP1

3009D D-LPS



DS-4T

2421DS D-LPS/S-LPS



DS-ST20

gray

PM2305D

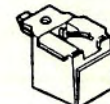


#65

DS-ST7

red

PM2312D



#114

MT-12;
MT-14

DS-ST12;
DS-ST14

white;
gray

PM2315D



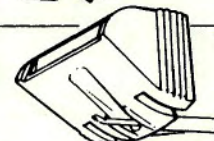
#83

MT-11F

F-11

yellow;
black

PM2924D



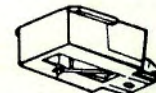
#70

MT-16

DS-ST16

black

PM2318D



#145

MT-17

DS-ST17

ivory; red;
yellow

PM2313D



E150

black

PM2301DE



#13

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s


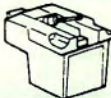


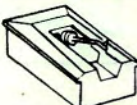







ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

HITACHI CARTRIDGES (CONT'D)

C-EX; MT-22; MT-23	DS-ST22; F-22; F-23; DS-ST40	green; red	PM2775D	●		#86
MT-30; VFS-290	DS-ST30	yellow	PM2295D	●		#21
MT-32	DS-ST32	red	PM2868D	●		#91
MT-33; MT-13	DS-ST33; DS-ST13	blue; green	PM2309DE	●		#81
MT-35 MT-36	DS-ST35; DS-ST-36	red	PM2298D	●		#26
HT-L55	DS-ST53; DS-ST55	tr. blue	PM2768D	●		#166
	DS-ST60	black; red brown	PM2320DE	●		#150
	DS-ST70	black	PM2769D	●		#165
MT-102; DMC-2200	DS-ST102;	green; blue; yellow	PM3101D	●		#112
MT-103	DS-ST103	black; yellow	PM2890D	●		#17
MFS-170; MFS-171; DPK-11	DS-ST3; HN-SP2	white; red	PM2834D	●		#61
VFS-260; VFS-261; VFS-261C	DS-ST26	yellow	PM2276D	●		#11
VFS-261E VFS-26DE	DS-ST26E; DS-ST104	blue; ivory	PM2278DE	●		#11

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

HITACHI CARTRIDGES (CONT'D)

1M-1310

CN-104

blue;
brown;
red

PM3095D



#106

SJ-45

black

PM2481D

D-LPS



ORIGINAL
CARTRIDGE #s



ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

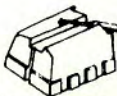
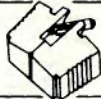


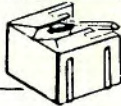
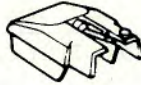
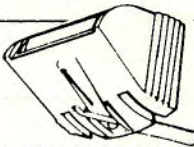
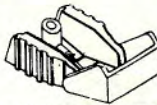
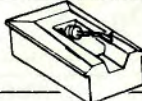
EVG
NEEDLE #

TIP/FIGURE
STYLE

HITACHI CARTRIDGES (CONT'D)

1M-1310	CN-104	blue; brown; red	PM3095D	●		#106
	SJ-45	black	PM2481D	D-LPS		

FOR JAPAN VICTOR (JVC, NIVICO) CARTRIDGES

	DT-12	red	PM2472D	●		#65
HMD-1004; HMD-1009	BS-16; DT-16; DT21H; SS-16	blue; white; gray	PM2834D	●		#61
CS-1023M	DT-23	black	PM2948D	●		NEW
HMD-1010; CS-1027D HMD-1011B	DT-25; DT-25H	red	PM2944D	●		#117
MD-1013	DT-29	red	PM2947D	●		NEW
MD-1014	DT-31; DT31B	green; red gray	PM2275D	●		
MD-1029	DT-35	brown; yellow	PM2276D	●		
4MD-30X; 4MD-35X	4DT-30X; 4DT-35X	white; gray silver; ivory	PM2280DQ	●		#11
4MD-1X 4MD-5X; MD-1016	DT-33G; DT-33H; DT-33S; 4DT-1X; 4DT-5X	yellow; black; green; white	PM2924D	●		#70
4MD-20X	4DT-20X; MD-20X	burgandy; gold	PM2281DQ	●		#15
MD-1038	DT-38	red; gray; yellow	PM2298D	●		#26

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR JAPAN VICTOR (JVC, NIVICO) CARTRIDGES (CONT'D)

LINEAR TRACK
TURNTABLE;
MD-1034

DT-37L

violet

PM2943DE



#95

MD-1032;
J.C. PENNY
52402000012

DT-36

red

PM3096D



#107

MD-1041

DT-41

dk. blue

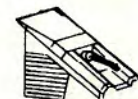
PM2945D



#123

DT-45, DT-45/B

white; blue; PM2315D



DT-45E

brown

PM2321DE



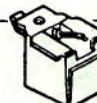
#83

MD-1055Z;
MD-1055E

DT-55; DT-55/II;
DT-55W

blue;
yellow; red

PM2312D



#114

DT-56

black

PM2318D

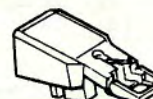


#145

DT-200E; DTE3E

brown; red;
black

PM2320DE



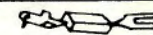
#150

05232; 31276; 75310;

DT-7; PT-4; SL-2; SL2L;
SL-14; SLS-2; SS-2; SS-14;
ST-4; ST-7

2829D

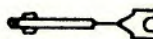
D-LPS



EG-73011; SCC-3

3009D

D-LPS

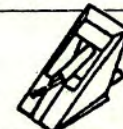


L-D77

DT-ZL1S;

blue

PM2804D



#167

Z1S

DT-Z1S

grey

PM2946D



NEW

Z-5P

DT-Z5S

tr. orange

PM2802D



#168

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

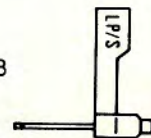
TIP/FIGURE
STYLE

FOR JAPAN VICTOR (JVC, NIVICO) CARTRIDGES (CONT'D)

CS-1007,-1007S,
-1007D;HF

DTS-2;ST-17,STS-2

2835DS D-LPS/S-78



ST-51;PU-1033

DT-51

2481D D-LPS



FOR JELCO CARTRIDGES

MC-15D; MC-15E

ND-15D; ND-15E

green

PM2942D



#74

MC-50

ND-50D

black

PM3102D



#118

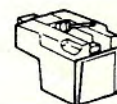
FOR KENWOOD (TRIO) CARTRIDGES

DM-11; V-48

N-11; N-48

yellow;
orange

PM2295D



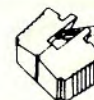
#21

V-09

N6-AT

white; gray

PM2834D



#61

T-14-23; V-23

N-23

gray; white

PM3089D



#100

V-26; V-32;
V-33

N-26; N-32;
N-33

black; red;
gray

PM2275D



V-41A

N-41A

blue;
yellow

PM2276D



V-40; V-40A;
V-41; V-42

N-40 N-40A;
N-41; N-42

ivory; blue;
black

PM2280DQ



#11

V-38

N-38

purple;
red

PM2472D



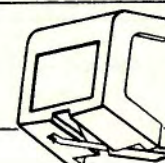
#65

V-39; V-39/II

N-39; N-39/II

orange;
black

PM2942D



#74

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR KENWOOD (TRIO) CARTRIDGES (CONT'D)

V-39/III	N-39/III	black	PM2939D	●		#126
V-43; V-44	N-43; N-44	tan; blue; orange	PM3116D	●		#122
V-45	N-45	black	PM2890D	●		#17
V-47	N-47	blue	PM2933D	●		NEW
V-49	N-49	black; orange	PM2308D	●		#79
V-50; V-51	N-50; N-51	black; blue	PM2937D	●		#169
V-51	N-51/II	red	PM3102D	●		#118
V-52	N-52	blue; red	PM2298D	●		#26
V-53	N-53	black	PM2934D	●		#172
V-54	N-54	blue	PM2936D	●		#170
V-55, -B	N-55, -B	blue	PM2319D	●		#150
V-56	N-56 N-56B	black	PM2317D	●		#144
V-59	N-59	black	PM2938D	●		#147
V-61; V-66	N-61; N-66	red	PM3094D	●		#105

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s


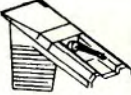
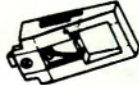

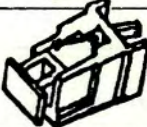
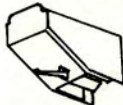

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS


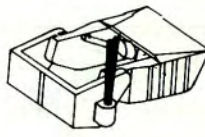
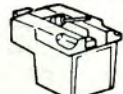
EVG
NEEDLE #

TIP/FIGURE
STYLE



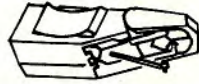
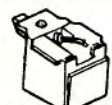
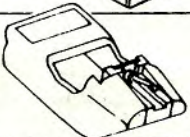
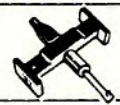
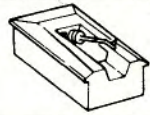
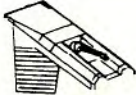

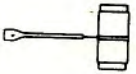
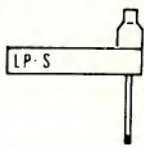
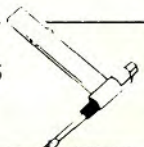
FOR KENWOOD (TRIO) CARTRIDGES (CONT'D)

V-62	N-62	blue	PM2935D	●		#171
V-63	N-63	blue; ivory; white	PM2315D	●		#83
V-64	N-64	black	PM3052D	●		#181
V-65	N-65	green	PM2243D	●		#85
V-67	N-67	red	PM3194D	●		#188
V-68	N-68	black; red	PM3199D	●		#141
V-69	N-69	dk. red	PM2868D	●		#91

FOR MAGNAVOX CARTRIDGES

560356-1; 560356-2	560349-1; 560349-2	yellow	PM2276D	●		
560429-2	560430-1; 560430-2	blue	PM2278DE	●		
560370-1; 560379-1	560372-1; 560372-2	white	PM2280DQ	●		#11
560369-1; 560369-2; 560369-3; 560398	560371-1; 560371-2	red	PM2671D	●		#16
560369-10; 560432	560424-2; 560433	red	PM2294D	●		#21

NOTE: Drawings not to actual size.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
FOR MAGNAVOX CARTRIDGES (CONT'D)				
560418-1	560421-1	yellow	PM2890D	 #17
560434	560435-1	white	PM2827D	 #39
25130079; 25130081	4H01510029; 4H01510031; 5690600005	gray; black	PM2887D	 #126
25130071	25130072; 5690600007	red	PM2312D	 #114
5604370021	5604370022	gray	PM2232D	 #4
5604370033	5604370034		2481D D-LPS	
560429; 25690396	560430; 25120026	ivory	PM2298D	 #26
5604370111	5604370112	ivory	PM2315D	 #83
560355-1, -2	560354-2		2130DS D-LPS/S-LPS	
ALL Series: 560232, -33, -50, -90, -96	All Series: 560034, -35		2604 S-LPS 2604D D-LPS	
All Series: 560305, -07, -10, -11, -15, -40, -67	All Series: 560306, -08, -12, -39		2622DS D-LPS/S-LPS	
560345,-2 (Early Models); 560350,-2			2624DS D-LPS/S-LPS	

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

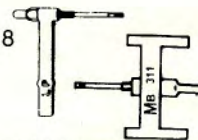
FOR MAGNAVOX CARTRIDGES (CONT'D)

All Series:

560337, -45, -46,
-47, -50, -55,
-84

560336,-1-2; 560344-2

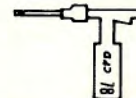
2644DS D-LPS/S-78
2647D D-LPS



560360-2;
560389 Series

560359-1

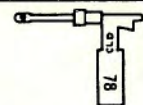
2625DS D-LPS/S-78



560348-1;
5060353-1

560352-2; 560366-2

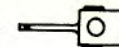
2636DS D-LPS



560296-7, -8

560299-2, -4

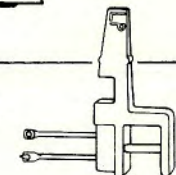
2677D D-LPS



560324, -2

560331-3

2679DS D-LPS/S-78



All Series:

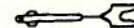
560180, -209,
-236, -288

All Series:

560182, -183, -190,
-210, -211, -289

3009 S-LPS

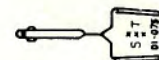
3009D D-LPS



560277-1, -2

560283-2; 560285-2

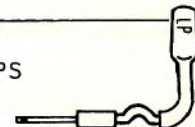
3005D D-LPS



560244-1;
560225-1

560191-2; 560200-1

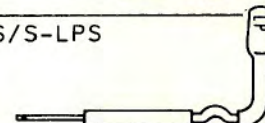
3201DS D-LPS-LPS



560246-2;
560247-1;
560259-1

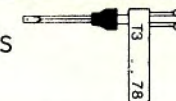
560244-2; 560245-4

3213DS D-LPS/S-LPS



560389-1

3393DS D-LPS/S-LPS



5690200003

5690300001

gray

2441D



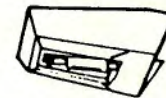
#177

5690500007

5690300007;
5690600006

red;
gray

2440D



#154

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

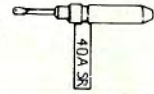
TIP/FIGURE
STYLE

FOR MAGNAVOX CARTRIDGES (CONT'D)

76122075

76123074

3233DS D-LPS/S-LPS



FOR MARANTZ CARTRIDGES

CT-5S	red	PM2298D	●		#26
CT-6S	green	PM2304D	●		#23
CT-221; CT-300 CS-500	white	PM3064D	●		#149
CT-520; CT-525	red; blue	PM2350D	●		#155
CT-530	clear	PM2351D	●		#156
CTS-143; CTS-243 TT-253; TT-353	black	PM3052D	●		#181
CTS-151	red	PM3194D	●		#188
CTS-153	clear	PM2855DE	●		#87
CTS-551	dk. blue	PM4401D	●		#157
TT-140; TT-240; TT-340; TT-430; TT-440	ivory	PM2315D	●		#83
TT-333; TT-443; TT-553	black	PM2317D	●		#144

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

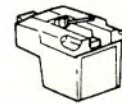
TIP/FIGURE
STYLE

FOR MARANTZ CARTRIDGES (CONT'D)

500S

black;
gray

PM2295D



#21

FOR MASTERCRAFT CARTRIDGES

MCI-5

MCI-5

gray; white

PM3089D



#100

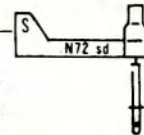
FMS-960

2123

S-LPS/S-LPS

2123DS

D-LPS/S-LPS



FOR MGA-MITSUBISHI CARTRIDGES

MM-2

3D-MM2

black

PM3026DE



#96

3D-20; ST-15;
ST-16

2829D

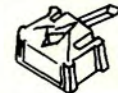
D-LPS



3D-48M

gray;
lt. green

PM3099D



#110

DMC-8700

3D-33M

red; green

PM2944D



#117

DMC-2200

3D-34M

green; blue;
yellow

PM3101D



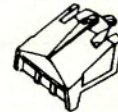
#112

MAG-1; MAG-2

3D-37M; MD-1;
MD-2

orange;
blue; beige

PM3116D



#122

DMC-82

3D-38M

green

PM3093D



#104

MAG-3

3D-40M

gray;
yellow

PM2275D



#11

MAG-4

3D-44M

black

PM2308D



#79

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

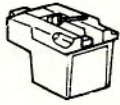
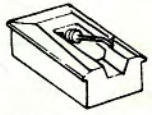



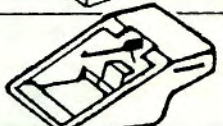
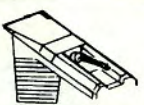
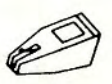
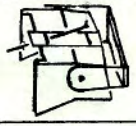
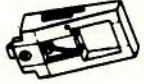
ORIGINAL
NEEDLE #s

ORIGINAL
COLORS


EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR MGA-MITSUBISHI CARTRIDGES (CONT'D)

	3D-45M	black; yellow	PM2294D	●		
DP-200	3D-42M;	black; red	PM2295D	●		#21
MAG-47	3D-47M	red; gray; yellow; brown	PM2298D	●		#26
	3D-50M	black	PM2974D	●		#173
	3D-51M; 3D-55M	black	PM2318D	●		#145
	3D-52M	blue	PM3104D	●		#148
	3D-54M	black	PM2317D	●		#144
	3D-56M	ivory	PM2315D	●		#83
	3D-MM1; 3D-MM2	black	PM3026DE	●		#96
	LT-55	green	PM2243D	●		#85
	LT-156	black	PM3052D	●		#181

FOR MOTOROLA CARTRIDGES

59C61496A01	92-148DS, 59C61496A04,	2123	S-LPS/S-LPS	
59C62432A01	92-148SS, 59C1946A03			
59C62945A01	92-150SS	2123DS	D-LPS/S-LPS	

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

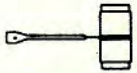
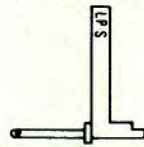
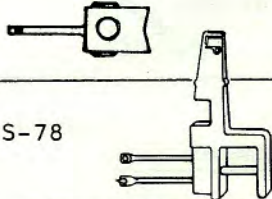
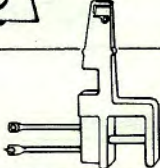
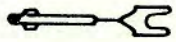
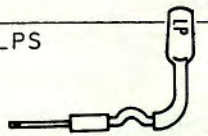
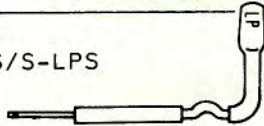
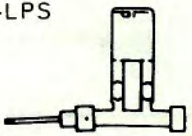
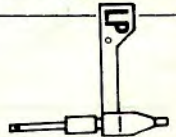
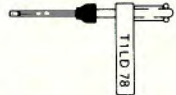
ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR MOTOROLA CARTRIDGES (CONT'D)

59C643220 59C643221 59K643335	92-289S7, 47K643151 92-289D7, 47K643150 92-289S3, 47K643152		2604 2604D	S-LPS D-LPS	
59C61640A01, 59C62077A01, 59C61640A03, 59C62077A03	92-294DS, 59C6164A05, 59C61640A02, 59C61640A04, 59C62077A02, 59C62954A02		2616DS	D-LPS/S-78	
59C611A01, 59C61100A05, 59C61270A01	92-388D7, 59C61100A04, 92-388S7, 59C61100A03		2677D	D-LPS	
59C62266A01 59C62266A05	92-389SS, 92-390SS, 59C62266A03, 92-389DS, 92-390DS, 59C62266A04		2679DS	D-LPS/S-78	
59P60015A03 59P61619A01 59B638903 59C60918A01	92-143D1, 47PG60000A18, 92-143S1, 59C61619A03, 92-143S3, 59C60918A03, 59C61619A02 92-143DS 92-143S7, 92-144S7, 47-P60015A01 92-143D7, 92-144D7, 47C60015A09		3009 3009D	S-LPS D-LPS	
59B634441	92-700DS, 92-7071DS, 47K639290, 92-700SS, 92-701SS, 47K632185 92-702SS		3201DS	D-LP/S-LPS	
59C645700, 59C645701	92-706DS, 47K645702, 92-706SS, 47K645703		3213DS	D-LPS/S-LPS	
59C60337A01, A02 59D60872A01, A02 59D62271A01	92-707SS, 92-712SS, 59D60872A03 92-707DS, 92-712DS, 92-708SS, 92-709SS, 59D60872A04, 59D62271A02 92-708DS, 59C62271A02		3214DS	D-LPS/S-LPS	
59C61150B01, 59C6127B01, 59C61519B01	92-827SS, -DS 92-828SS, -DS		3332DS	D-LPS/S-LPS	
59C60615B01 59C61182B03, 59C62971A01, 59C63643A01, 59C63543A04, 59C63643A05, 59C63643A06, 59C63643A07, 59C63784A01, 59C63784A03	92-810SS, 92-812SS, 59-62971A03, 59C63643A03 92-810DS, 92-812DS, 59C63643A02		3391 3391DS	S-LPS/S-LPS D-LPS/S-LPS	

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

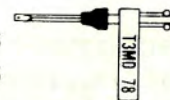
TIP/FIGURE
STYLE

FOR MOTOROLA CARTRIDGES (CONT'D)

5962971A02,
59C63816A01

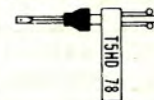
92-9811SS, -DS,
59C62971A04

3393 S-LPS/S-LPS
3393DS D-LPS/S-LPS



59C60459B01,
59C60868B801

3395 S-LPS/S-LPS
3395DS D-LPS/S-LPS



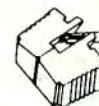
FOR NAGAOKA CARTRIDGES

NM-33S

33-05; 33-07

white

PM2834D



#61

CN-104; CN-106

red

PM3095D



#106

CS-201

white

PM2848D



#64

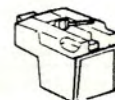
FOR NIPPON ELECTRIC (NEC) CARTRIDGES

CG-6000

LP-6000D

blue;
gray; red

PM2294D



#21

CG-7000

LP-7000D

red; gray

PM2275D



CG-8000

LP-8000D

green

PM2277DE



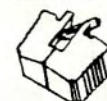
#11

NS-810; NS-812;
NSP-240

LP-200; SP-20S

white;
gray

PM2834D

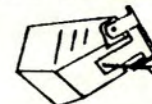


#61

LP-305M

white

PM2870D



#93

FOR ONKEN CARTRIDGES

MG-2

black;
orange

PM2308D



#79

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s


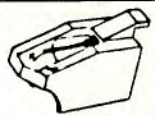
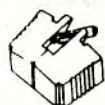
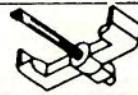
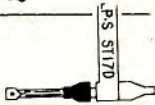

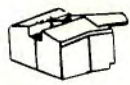
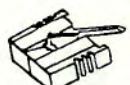
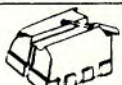

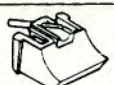
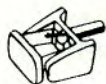


ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR ONKYO CARTRIDGES

OC-2; OC-11	DN-1ST; SN-1ST		2829D	D-LPS		
OC-9; OC-20; OC-26	DN-8; DN-9; DN-20; SN-20	white	PM3193D	●		#187
OC-5M; OC-13M	DN-5ST; DN-13ST	white; gray	PM2834D	●		#61
OC-12C	DN-12		2816D	D-LPS		
OC-31	DN-31		2428DS	D-LPS/S-LPS		
	DN-ST37V	orange; red	PM2279DE	●		#11
OC-15	DN-15ST	green; gray	PM2848D	●		#64
OC-16M	DN-16ST	yellow; brown	PM3090D	●		#101
OC-18M; OC-24M; OC-36M	DN-18ST; DN-24ST; DN-36ST	green; red; orange; brown	PM2472D	●		#65
OC-27V; OC-32V	DN-27ST; DN-32ST	gray; red; yellow	PM2275D	●		#11
OC-29M; OC-34	DN-29; DN-34	green; red; blue	PM2775D	●		#86
OC-30	DN-30	black	PM2392D	●		#34
OC-33	DN-33ST	white; red	PM2307D	●		#78
OC-35M	DN-35ST	yellow	PM2295D	●		#21

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s




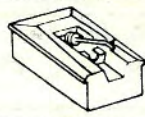

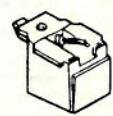

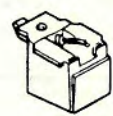








ORIGINAL
NEEDLE #s

ORIGINAL
COLORS





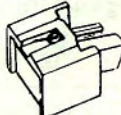




EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR ONKYO CARTRIDGES (CONT'D)

OC-40	DN-40ST	black	PM2308D			#79
OC-52M; OC-55	DN-52ST; DN-55S	gray; red	PM2298D			#26
	DN-61ST; DN-65ST	purple; blue; yellow	PM2312D			#114
	DN-61STE DN-63STE	purple; green black	PM2322DE			#114
OC-62	DN-62ST	black; red	PM2318D			#145
OC-20IV	DN-202ST; DN-201S; -STE	blue; brown	PM2304D			#23
OC-410M	DN-25	blue;	PM3208D			#139
	DN-1005	white; gray; black	PM3092D			#103

FOR ORTOFON CARTRIDGES

F-15; FF-15; VMS-20S	N-15; NF-15; D-20S	 * black; white	PM3022D			
F-15E; FF-15E; VMS-20E; VMS-20E/II	N-15E; NF-15E; D-20E; D-20E/II	 * black; white	PM3023DE			
F-15MKII; FF-15MKII; FF-15XMKII	N-15/II; NF-15/II; NF-15X/II	 * white; yellow	PM3024D			
F-15EMKII; FF-15EMKII; FF-15XEMKII VMS 5EMKII	N-15E/II; NF-15E/II; NF-15XEMKII D5E	 * white; red; yellow	PM3025DE			#67

NOTE: Drawings not to actual size.

*NOTE: Ortofon styli contain different tube guides. Tube guides on stylus must fit cartridge. They are not interchangeable.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR ORTOFON CARTRIDGES (CONT'D)

CONCORDE 20;
20H; 30; 30H

LM-20; LM-20H;
LM-30; LM-30H

black

PM3026DE



#96

ULM50E; TKS52E;
ULM60E; ULM65E;
ULM66E; ULM55E

DN150E; DN155E;
DN160E; DN165E;
DN166E; DN152E

black

PM3027DE



#128

FOR PANASONIC (NATIONAL-MATSUSHITA-TECHNICS) CARTRIDGES

EPC-09STAD

EPS-27STSDD

white

PM2827D



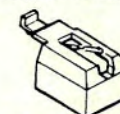
#39

EPC-13STHD

EPS-41STSD

white; red

PM2854D



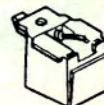
#80

EPC-43
EPC-17STLD

EPS-43STSD
EPS-17STLD

gray

PM2312D



#114

EPC-74SMCD

EPS-39STSD

red; gray

PM2294D

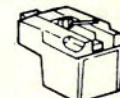


EPC-74SMAD;
EPC-74SMBD

EPS-74STGSD;
EPS-74STSD

yellow

PM2295D



EPC-74SMED

EPS-74STED;
EPS-74STGED

blue; black;
green

PM2296DE



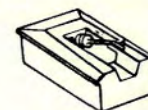
#21

EPC-75SMCD

EPS-75STCSD; -MAD, -MLD
EPS-75STSD; -TFSD
EPS-77STSD; -SMBD

gray; red;
orange;
yellow

PM2298D



#26

EPC-76

EPS-76STSD
EPS-76STED

yellow

PM2304D

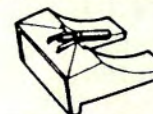


#23

EPS-205C

black; gold

PM2857DE



NEW

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s



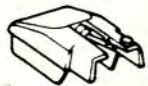


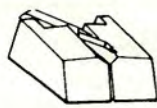



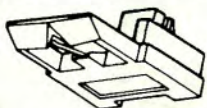

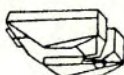





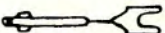
ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE


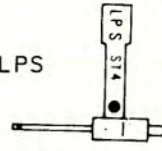
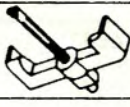
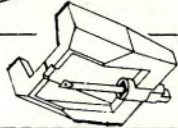

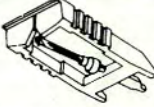
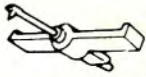
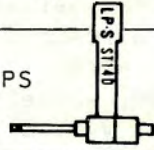
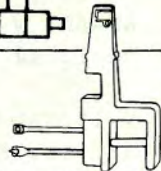
FOR PANASONIC (NATIONAL-MATSUSHITA-TECHNICS) CARTRIDGES (CONT'D)

EPC-78SMAD; EPC-78SMBD; EPC-78SMCD	EPS-31STSD; EPS-34STSD	ivory; gray green	PM2275D		
EPC-82SMAD; EPC-825MBD	EPS-30STSD; EPS-35STCSD;	yellow; red brown	PM2276D		
EPC-78SMED	EPS-35STED	blue	PM2278DE		#11
EPC-79SMAD; EPC-86SMAD; EPC-271CS; EPC-270D; EPC-290C	EPS-52; EPS-53; EPS-56; EPS-290; EPS-270DD; EPS-270SD; P-24	blue; green; orange; clear	PM2823D		 #62
EPC-90SMAD, -SMBD, -STGD, STGED	EPS-90SMAD, -SMBD, -STGD, -STGED	green; gray	PM2309DE		 #81
EPC-96SS; EPC-450C	EPS-28; 28STSD; EPS-45STQD	yellow	PM2822D		 #127
LINEAR TRACK TURNTABLE; EPC-202	EPS-23C; EPS-25C; EPS-28C; EPS-202 EPS-P153; EPS-202ED	clear	PM2855DE		 #87
EPC-451C; EPC-460C	EPS-46STSD	yellow	PM2018D		
EPC-451C; EPC-460C; EPC-460C-4	EPS-46STQD; EPS-46STSD; EPS-451QD; EPS-465QD	red; white	PM2818DQ		 #40
EPC-91	EPS-91SMAD	ivory; white	PM2315D		 #83
EPC-27WTFJ5, -GJ5, -GS5; EPC-70LTBS, -LTC, -LTCS	EPS-04LP, -SP, -ST, -STSD		3009 3009D	S-LPS D-LPS	


NOTE: Drawings not to actual size.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
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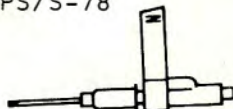
FOR PANASONIC (NATIONAL-MATSUSHITA-TECHNICS) CARTRIDGES (CONT'D)

EPC-29, -29TTBJ4, 299TTCJ1; EPC-69STA, -69STC, -69STE	EPS-04ST		2829D D-LPS	
EPC-34TTAD, -BD, -CD, -E; EPC-35TTA, -AD, -VD, -CD; EPC-71WTA, -B	EPS-13TT, -TTS, -15TT; EPS-13TTSD, -15TTSD		2421DS S-LPS/S-LPS	
EPC-34STAD, -STBD, -STCD, -STC	EPS-14, -STSD, EPS-35		2816D D-LPS	
EPC-34STFA, -STFAD	EPS-18ST, -STSD		2817D D-LPS	
EPC-95SS	EPS-24		2442D D-LPS	
EPC-42STAV2D, -STAD; Models SC555A, SE850	EPS-25, -STSD		2815D D-LPS	
EPC-05STAD	EPS-36STSD,	white; red	2824D D-LPS	
Model RD-7413	ST-12, -14		2427DS D-LPS/S-LPS	
U8-11; U88	U-11		2679DS D-LPS/S-78	

FOR PERPETUUM-EBNER CARTRIDGES

PE-9000/2	PE-9000; SR-07	black; red	PM2410D		#27
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FOR PHILIPS CARTRIDGES

AG-3306; AG-3224; AG-3230; AG-310; AG-3228; GP230; GP200; GP224; GP228; GP230; GP233; GP300; GP306; GP310	946/DS51, 251 2001 946/SS50, 251 20002		2889DS D-LPS/S-78	
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NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

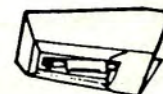
FOR PHILIPS CARTRIDGES (CONT'D)

F-1650

red

2440D

D/LPS



#154

GP-371

red; green

PM2944D



#117

GP-330; GP-331

D330; D331

gray; black

PM2887D



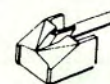
#125

GP-400; -401
GP-500

D-400; -401
D-500

black

PM2882D



NEW

CA-9036

CA-9036

yellow

PM2890D



#17

FOR PICKERING CARTRIDGES

38; 39; 380 Series

D3807A; D3807AT;
D-3807-ATG;
D3807C; D3810C

red; black;
white; gold;
yellow

PM4011D



#41

V-15/AC2 Series;
DAC; HS/CAC; CAC;
P/AC; HP/AC;
HK-609; NC Series
NP-AC; V-15/S Series
Repl. /1 Series

DAC2; D1507AC2;
PD07C; DNC;
D1510

gray w/
silver;
white

PM4007D



V-15/2AM & AT
Series; P/AT, ATM;
F; HAT Series; NT
Series; NP/AT;
V15/2 Series Repl./1
Series

DAM2; DAT2; DNT;
PD07T; D1507AM2;
D1507AT2

gray w/
silver

PM4006D



V-15/AME-2;
V-15/ATE-2;
V-15/AME-1 &
ATE-1 Series;
NP/AME

DAME2; DATE2;
D1500AME2;
D1500ATE2;
PD/AME

gray w/
silver

PM4000DE



P/ATE; V-15/ATE-4;
V-15/4; Special
D Series; NP/ATE

DATE4; PDE;
DNE

gray w/
silver;
black w/
silver

PM4044DE



#42

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR PICKERING CARTRIDGES (CONT'D)

MICRO SERIES

XV-15; V-15 Micro
& V-15 Phase IV
Series; XV-15/100;
V-15 Micro IV AC;
XV-15AC

D100; DIV AC;
4507AC; 4510

black w/
gold
ivory w/
gold;
black w/green

PM4038D

XV-15; V-15 Micro
IV & V-15 Phase IV
Series; XV-15/350;
XV-15/150; V-15
Micro IV AM; V-15
Micro IV AT;
XV-15 AM; XV-15AT

4507 AM; D150;
DIV AT; 4507 AT;
D350; DIV AM

black w/
gold
ivory w/
gold

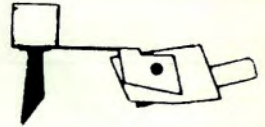
PM4039D

XV-15; V-15 Micro
IV & V-15 Phase IV
Series; SV-15/
400E; V-15 Micro
IV AME; XV-15AME
Special Series DE

D400; DIV AME;
4500AME; D5E;
D6E; D7E; D8E;
DSE-1

black w/
gold;
ivory w/
gold;
black w/silver;
gray w/silver

PM4036DE



XV-15/1200E;
XV-15/750E;
XV-15/625E;
XV-15/1800S

D1200; D750;
D625; D1800S

black w/
gold

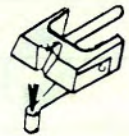
PM4052DE

XV-15; V-15 Micro
IV & V-15 Phase IV
Series; XV-15/
200E; V-15 Micro
IV ATE; XV-15/140E;
V-15 Micro IV ACE;
XV-15ATE; XV-15ACE;
625-DJ

D200; D140; DIV
ATE; DIV ACE;
4500; 4500ATE;
4500ACE; DJ

black w/
gold
ivory w/
gold

PM4037DE



UV-15/2400Q;
UV-15/2000Q;
XUV/4500Q;
XSV/3000;
XSV/4000; XSV/5000;
XSV-5000-U

D4000; D3000;
D2400Q; D2000Q;
D5000; D4500Q

black w/
gold;
black w/
silver;
white w/gold

PM4055DQ

NOTE: Drawings not to actual size.

#44

ORIGINAL
CARTRIDGE #s





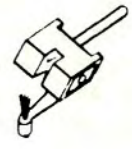








ORIGINAL
NEEDLE #s

ORIGINAL
COLORS



EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR PICKERING CARTRIDGES (CONT'D)

V-15/AC-3	DAC3; D1507/AC3	gray w/ silver	PM4029D		
V-15/AT-3; FG-3; V-15H/AT-3; V-15/AM-3; V-15HB/AT-2-3; V-15HB/AT2-3	DAT3; D1507AT3; DAM3; D1510-3; D1507AM3	gray w/ silver	PM4027D		
V-15/ACE-3	DACE3; D1500ACE3	gray w/ silver	PM4028DE		
V-15/ATE-3; V-15/AME-3	DATE3; D1500ATE3; DAME3; D1500AME3	gray w/ silver	PM4025DE		#43
TLC	DLC	white	PM4022D		
		black	PM4023DE		#129
303	304; 305	lt. blue	PM4056D2		
313	D3107; S3110	gray	PM4057D2		#48
340D	D340; S3407	yellow	PM4058D2		#49

FOR PIEZO CARTRIDGES

950	Y-950	white	PM2834D			#61
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NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR PIEZO CARTRIDGES CONT'D

YM-308; YM308/II

AN-308;
AN-308/II

black;
yellow

PM2890D



YM-308E;
YM-308/IIIX

AN308E;
AN308/IIIX

black; red

PM2891DE



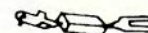
#17

SC-501, Y201, SC503,
CALRAD, VARCO, VICTOR

ST-7, ST7-D

2829D

D-LPS

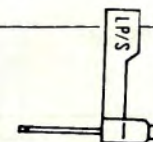


CS-1007S Etc.

DTS-2, STS-2

2835DS

D-LPS/S-78



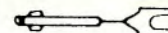
MS-2 Hi-Fi, MS-2, MS-2R, 1-31-1
MS-2S, MT-, 2H1, 2R, 2S, 14,
14R, 14V, SMT 18, 19, 36, 37 1-32-1

3009

S-LPS

3009D

D-LPS



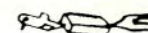
FOR PIONEER CARTRIDGES

PC-C3

PL-N3

2829D

D-LPS



AT-66

AT-21

yellow

PM2848D



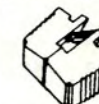
#64

PL-C6; PL-C7

PL-N6; PL-N7

white;
ivory; gray

PM2834D



#61

PL-C9

PL-N9

white;
lt. gray

PM2861D



#68

PC-12; PC-10;
PC-150

PN-12; PN-110;
PN-110II; PN-150

black; blue;
yellow; red

PM2869D



#92

PC-30; PC-50

PN-30; PN-50


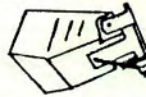
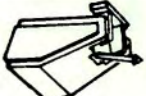



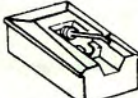
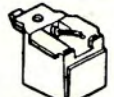


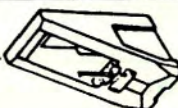
rose;
lt. violet

PM2864D



#69

NOTE: Drawings not to actual size.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<u>FOR PIONEER CARTRIDGES (CONT'D)</u>				
PC-35	PN-35	yellow	PM2863D	 #73
PC-K65; PL-110 PL-130; MX-40	PN-K65	white	PM2870D	 #93
		blue	PM3203D	 #142
PC-85	PN-K85	white; black	PM3092D	 #103
PC-200; PC-400; PC-600	PN-200; PN-400; PN-600; PN-800	green; yellow	PM2871D	 #94
PC-135; PC-155; PC-145	PN-135; PN-155 PN-145	black	PM2872D	 #115
PC-220	PN-220 PN-320	gray; red yellow; white	PM2298D	 #26
PC-230	PN-230	green; yellow	PM2312D	 #114
PC-250T PC-295T; -305T	PN-250T; PN-295T; PN-305T	white; black	PM2315D	 #83
PC-290	PN-290T	white	PM2873D	 #140
PC-291; PC-301	PN-291; PN-301; PN-300T	gray	PM2856D	 #176

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

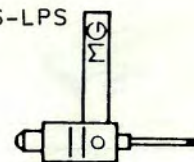
FOR RCA CARTRIDGES

RMP-200-8, -9, 106770B, 110020, 110020A
 106771B, 110021, 110021A,
 110023, 111209, 111338, 111347, 110022, 110022A
 11348, 115062, 115196, 108214, 108214A,
 E-V 54, 133, 195 108800, 108215,
 Stereo, RMP-200, -2, -3, -4, -6, -7, 108215A, 108216
 106770A, 106771A, 106960A,
 108213A, 108214A

2907DS D-LPS/S-LPS

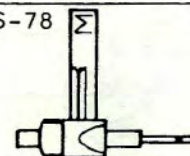


112124, 126316, 115276, 115328, 115329, 115911,
 115277, 115302, 115303, 118197, 118198, 118199, 2912DS D-LPS/S-LPS
 115346, 115347, 115703, 118200, 130398,
 116931, 116932, 117330,
 117331, 118055, 118056,
 122123, 126317,
 RMP-204-1, -1C, -5, -6, -9.

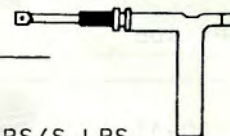


115703, 120695, 126316, 122057
 126317, 126672, 128393 126566,
 133499, RMP-204-15, -17 126567
 RMP-205-2

2915DS D-LPS/S-78



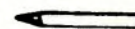
1311777, 131778, 132026, 131781, 133625 2917D D-LPS
 132027, 133706, 133750, 132087, 133856
 135273, 138262



131777, 131779 131780, 133707 2918DS D-LPS/S-LPS

14820, 30708, 31050, 31156, 32256, 32632,
 33122, 33217, 33905, 34225, 34307, 34710,
 35171, 37158, 39686, 55391, 57330, 70198,
 70220, 70777, 71173, 79850, 79895

3805 STEEL



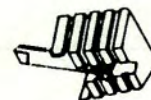
ROCK-OLA

424; 425; 426;
429; 433; 440

40461

black

PM3115D



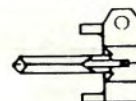
#54

436; 437; 440;
442; 444; 446

43469

lt. blue

PM3123D



#51

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

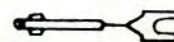
FOR RONETTE CARTRIDGES

SERIES 70; 74; 76;
80;86;118;120;124;
310;312;414;416;
420;422;424;426.

SERIES 5304&D5305
BSR TC8G,8TS
ASTATIC N7-7D,-7S
N8-7D, -7S

3009 S-LPS
3009D D-LPS

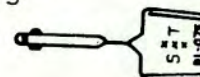
ALL RONETTE FONOFUID & COLLARO STUDIO O & P



SERIES 105; 106;
208;BF-40;DC-422;
DC-500;SCW-395

DA-100, -700;
DI-100, -075ST
SA-075ST, -700

3005D D-LPS

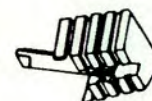


FOR ROWE CARTRIDGES

L; M; N; O

black

PM3115D



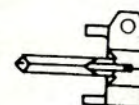
#54

MM-1 thru MM-6
TI-1; TI-2;
R-80 thru R-83

218340-01

lt. blue

PM3123D



#51

FOR SANSUI CARTRIDGES

MODELS: APS-10;
APS-110;APS-112;
APS-115;APS-400

ST-1

2829D D-LPS



3009D D-PLS



APS-1200; SC-31;
APS-1400; SC-32;
SR-2026; SR-3030

SN-31; ST-3200;
V-3030

white

PM3060D



#75

MCI-5

SN-25

gray; white

PM3089D



#100

MC-6S

SN-26

yellow;
brown

PM3090D



#101

AT-6

SN-22; ST-6D
SN-21

white;
gray

PM2834D



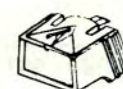
#61

SV-10A; SV-10

SN-10; SN-10M;
SN-10A

black;
white; blue
gray

PM3088D



#99

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR SANSUI CARTRIDGES (CONT'D)

SV-21	SN-24; ST-9D	white; lt. gray	PM2848D			#64
SV-27	SN-27	black	PM3091D			#102
SV-28; SC-37	SN-28; SN-37	white; gray; black	PM3092D			#103
SV-29	SN-29	blue; red	PM3112D			#84
SV-33; SV-50	SN-33; SN-50	brown; gray; orange	PM2305D			#65
SV-34	SN-34	green; blue; yellow	PM3101D			#112
SV-36; SV-42	SN-36; SN-42	green; white	PM3093D			#104
SV-43	SN-43	red; yellow	PM2276D			
SV-40X	SN-40X	white; gray	PM2280DQ			#11
SV-44	SN-44	black	PM3044D			#178
SV-45	SN-45	black	PM2308D			#79
SV-47	SN-47	gray	PM2306D			#77
SV-80	SN-80 SN-16	red	PM3094D			#105

Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

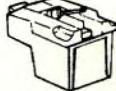

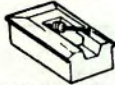

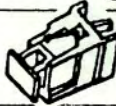

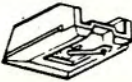
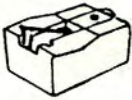

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS




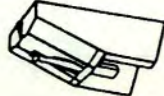
EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR SANSUI CARTRIDGES (CONT'D)

SV-101	SN-101	yellow	PM2295D	●		#21
SV-111	SN-111	red	PM2312D	●		#114
SV-202	SN-202	yellow	PM2298D	●		#26
SV-303	SN-303	black	PM2317D	●		#144
SV-212	SN-P212	red	PM3194D	●		#188
SV-P-313; SV-P-515	SN-P313; SN-P515	white; black	PM2315D	●		#83
SV-505	SN-505	gray	PM3103D	●		#119
SV-707	SN-707	blue	PM3104D	●		#148
SV-909	SN-909	black	PM3043D	●		NEW

FOR SANYO CARTRIDGES (ALSO FISHER)

MG-A1SD	ST-A1SD	yellow; orange	PM2284DE	●		#12
MG-2	ST-5D	gray; green; white	PM3089D	●		#100
MGT-1; STL-42	ST-6D	white	PM3193D	●		#187
	ST-07D	red	PM3197D	●		
	ST-08D	black w/magnet	PM3198D	●		#175

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR SANYO CARTRIDGES (ALSO FISHER) (CONT'D)

ST-2; 42K

ST-8D

white

PM3189D



#184

ST-09

ST-09

red

PM3196D



#189

ST-3

ST-10D

2442D

D-LPS

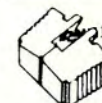


ST-3

ST-12D; V-09

white; gray

PM2834D



#61

ST-5

ST-14D

blue; white

PM3204D



#138

ST-G7

red

PM3195D



#84

ST-9G; MG-10
ST-710

ST-G9; ST-G10

yellow;
brown; blue
red

PM3095D



#106

ST-G11

blue

PM3187D
w/magnet



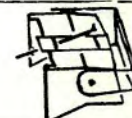
#106

ST-12

ST-G12

green

PM2243D



#85

ST-G13; -141

gray; red

2441D



#177

ST-14

ST-G14

red

PM3194D



#188

ST-10J; MG-43

ST-10J; ST-43D
ST-11D

black

PM2308D



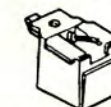
#79

ST-L5D

ST-L5D

blue; gray

PM2312D



#114

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s








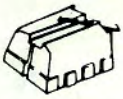







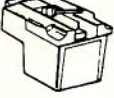



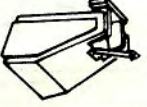


ORIGINAL
NEEDLE #s

ORIGINAL
COLORS




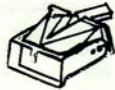
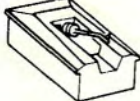

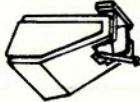


EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR SANYO CARTRIDGES (ALSO FISHER) (CONT'D)

MG-M11; MG-44J	ST-M11; ST-44J TP-F8	gray; white black; blue	PM2315D			#83
MG-15; MG-15G; MG-15L	ST-15D; ST-15GD; ST-15LD	yellow; brown; white	PM3090D			#101
MG-20	ST-20	black	PM3192D			#186
MG-25J	ST-25J	white	PM2305D			#65
MG-25; MG-25L	ST-25D	blue; yellow	PM3208D			
MG-31J; MG-40X	ST-31J; ST-40X	brown; translucent red	PM3209DE			#139
MG-26; MG-26L; MG-36; MG-45X	ST-26D; ST-26DL; ST-36D; ST-45DX	orange; blue; black	PM3116D			#122
MG-26J	ST-26J	gray; brown	PM2294D			
MG-63D	ST-63D	blue; green	PM2296DE			#21
MG-30	ST-30D	white; gray	PM2848D			#64
	ST-47D	black	PM3191D			#142
	ST-51; ST-51J	black	PM2314DE			#82

NOTE: Drawings not to actual size.

ORIGINAL CARTRIDGE #s	ORIGINAL NEEDLE #s	ORIGINAL COLORS	EVG NEEDLE #	TIP/FIGURE STYLE
FOR SANYO CARTRIDGES (ALSO FISHER) (CONT'D)				
MG-27; MG-27DL	ST-27; ST-27DL	blue; black	PM3112D	 #84
MG-28	ST-28D	red	PM3061D	 #72
MG-29D	MT-100; MT-35; ST-29D	red	PM3102D	
	ST-57D Grove Inside	black w/magnet	PM3020D	 #118
	ST-55D Grove Inside	red	PM3012D	
MG-34D; G-2002; G-3002 J.C. Penny 52402000012	ST-34D; ST-G8	red	PM3096D	 #107
MG-35D; MG-41J; MG-55D	ST-35D; ST-41J; ST-42D; T.T.MC-720,-725, -730,-740	red; gray; yellow	PM2298D	 #26
MG-35V; MG-36V	ST-35VD; ST-36VD	red; gray	PM2275D	 #11
MG-A3	ST-A3D	brown	PM2280DQ	
MG-37D	ST-37D; ST-37LD	blue	PM3203D	 #142
MG-38D	ST-38D	black	PM3097D	 #108
MG-41	ST-41D; ST-41ZD	gray; red; orange; blue; black	PM2306D	 #77

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR SANYO CARTRIDGES (ALSO FISHER) (CONT'D)

MG-44	ST-44D	black	PM3098D	●		#109
		white	PM2854D	●		#80
MG-53	ST-53D; ST-38VD ST-53ZD	brown; yellow	PM2304D	●		#23
MG-66D	ST-66D	red	PM3199D	●		
	ST-67D	black w/magnet	PM3299D	●		#141
M-91ED	SH-91ED	yellow	PM3136DE	●		#53
M-91GD	SH-91GD	red	PM3128D	●		#52
MG-100S	ST-100SD	black	PM3100DE	●		#111
MG-101	ST-101SD	black	PM3190D	●		#185
MG-102	ST-102SD	black	PM3210D	●		#143
MG-103	ST-103D	black	PM2318D	●		#145
MG-107; MG-48	ST-107D; ST-48D	gray; lt. green	PM3099D	●		#110

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

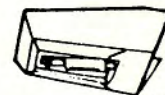
FOR SANYO CARTRIDGES (ALSO FISHER) (CONT'D)

MG-05

ST-140D; ST-05D

red

2440D

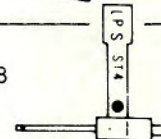


#154

40T,-V;41G;CZ-200;
CX-202-1,-2-3

ST-3,-3D

2421DS D-LPS/S-78



36A,B,C,D,F,K;
58B,C,G,J; 59A;STL-440

STL-1,-1D

2829D D-LPS



3009D D-LPS



RS-07260

ST-6G

2481D D-LPS



FOR SEEBURG CARTRIDGES

V-200

246788; 246797

lt. blue

PM4056D2



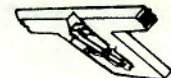
#7

370

249731; 252710

gray; blue

PM4057D2



#48

SHOWCASE (two
sapphires)

253772

purple

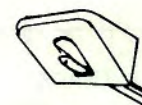
PM4058S2

SHOWCASE (two
diamonds)

253719; 253722

yellow

PM4058D2



SHOWCASE (one each
sapphire & diamond)

253719; 253772

purple;
yellow

PM4059DS2



#49

SEEBURG jukebox styli are 2 per package

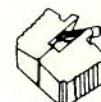
FOR SHARP CARTRIDGES

C-91D

N-05; N-06

white; gray

PM2834D



#61

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s






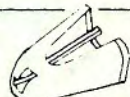






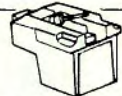

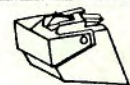












ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR SHARP CARTRIDGES (CONT'D)

C-12	N-15D	black	PM3054D			#183
C-93D; C-93E	N-17D	yellow; green; gray	PM2848D			#64
CART101	STY-101	blue	PM2933D			NEW
	STY-143	yellow; brown; red	PM3095D			#106
C-95D; OPT-1	N-20D; STY-202	white; gray	PM2275D			
OPT-2; C-703	STY-213; STY-703	green; red	PM2277DE			#11
CART-105	STY-105; STY-115	blue; yellow; gray	PM2294D			#21
CART-116	STY-116	orange-red	PM3078D			#98
CART-118	STY-118; STY-130	gray; red; black	PM2298D			#26
LINEAR TRACK TURNTABLE; CART-121	STY-121	black	PM3077D			#97
CART-124	STY-124	black	PM2318D			#145
CART-127	STY-127	black; red; white	PM3064D			#149
CART-129; CART-133; CART-139	STY-129; STY-133; STY-139	black	PM3052D			#181
CART-104; CART-114; CART-122	STY-104; STY-114; STY-122	white; gray; beige; black; dk. blue	PM3092D			#103

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

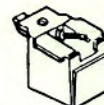
FOR SHARP CARTRIDGES (CONT'D)

CART-123;
CART-138

STY-123;
STY-138
STY-140;-141;-142

black;
gray; yellow;
blue

PM2312D



#114

CART-131

STY-131

white; gray

PM2315D

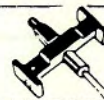


#83

CART-132

STY-132

2481D D-LPS



CART-136

STY-136

cream

PM3050D



CART-137

STY-137

blue

PM3049D

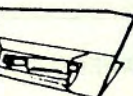


#179

STY-145

gray

PM3051D



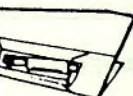
#180

CART-146

STY-146

red; gray

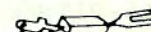
2440D



#154

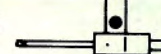
STY-451; N-01D;
4SP; 11S

2829D D-LPS



N-03D; N-07D

2421DS D-LPS/S-LPS



N-13D; N-09D

2816D D-LPS



CART-117

STY-117

gray

PM3053D



#182

PU-704

STY-704

blue; white

PM3204D



#138

CART-705; 4C2

STY-705; 4N2

orange;
blue

PM3116D



#122

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

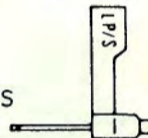
TIP/FIGURE
STYLE

FOR SHARP CARTRIDGES (CONT'D)

PU-707

STY-707

2835DS D-LPS/S-LPS



CART-750

STY-750

green;
blue; yellow

PM3101D



#112

PU-752; CART-751;
CART-752

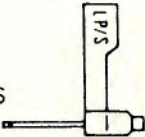


STY-751; STY-752

green; red;
blue; white



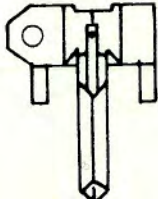
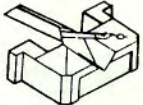

PM2775D



#86

ORIGINAL CARTRIDGE #s	ORIGINAL NEEDLE #s	ORIGINAL COLORS	EVG NEEDLE #	TIP/FIGURE STYLE
FOR SHARP CARTRIDGES (CONT'D)				
PU-707	STY-707		2835DS D-LPS/S-LPS	
CART-750	STY-750	green; blue; yellow	PM3101D	 #112
PU-752; CART-751; CART-752	STY-751; STY-752	green; red; blue; white	PM2775D	 #86

SHURE CARTRIDGES

M3D; M7D; M7DM; M7DMF; M8D; M22 M3/N21D; M21; M7/N21D;	N3D; N7D; N8D N21D; N22D	silver; gold	PM3118D	 #10
M44-7; M44MB; M44MG; M98A	N44-5; N44-7; N44MA; N44MG	white; red; gray	PM3117D	
M44MC; M44C; M98A; M80	N44C; N44-1	lt. blue dk. blue	PM3123D	
M44E; M44EM; 24-0044	N44E; N44E-M	brown; yellow	PM3124DE	 #51
M55E; M55EM; M80E; M80E-D; M80E-D19; AMC50E	N55E; N80E	yellow	PM3125DE	
M70B; M72B	N70B; N72B	beige	PM3158D	 #55
M70EJ; M72EJ; M110E; ME910EJ	N70EJ; N72EJ	lt. green	PM3157DE	
M93E	N93E	lt. green	PM3139DE	 #53
M91E; M91ED; M92EJ; M91E-50H; DM103ME; M91E-D12; R1000E; M91E-GLS; M91E-P20; M92E; AV400-HTE; HT9ES; RM900E; WC975; A90MED	N91E; N91ED; N92E	black; yellow; gray	PM3136DE	

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

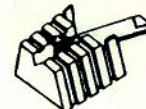
SHURE CARTRIDGES (CONT'D)

M33-5; M33-7; M77;
M77D; M77MD; M77DA;
M77DB; M99; M99/A;
M99/AT6; M99/M10

N77; N99; N33-7;
RMC-JUKE BOX

black;
gray

PM3115D



#54

M71C; M71HCS;
M71MC; M75CS;
M75MC; M81MC;
M81SC; RM930C;
AV200C R7C;
M74CS; M74CSM;
M74CSZ

N71C; N75C;
N75CM; NC71
N74C; N74CZ

lt. blue
dk. blue;
white

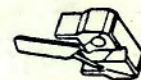
PM3143D



M71-6; M71MB; M71MBD;
M73; M73G; M73MG;
M75B Type 2; M75MB;
M75MB Type 2; M75MG;
M75MG Type 2; M75MGD;
M75 Type D;
M75G & Type 2;
M91; M91G; M91GD;
M91MGD; M92G; D101MG

BT2; GT2; NB71-6;
N75G; N75GII
N75G-T2;
N75-6;
N75-6 Type 2;
N75B Type 2; N91G;
N91GD; N92G; N6-T2

beige; gray; PM3128D
dk. gray;
red

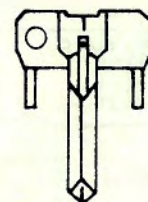


M71EB; M71EMB;
M75ECS; M75EJ Type 2;
M81CS; P4EJ;
R25EC; R47EB;
RM910E; A96ME; M112EJ

N75EC; N75EJII
EJ-T2; NEB71;
N75EJ

lt. green;
brown

PM3144DE



M75E & Type 2;
M75E-D19 & Type 2;
M75ED Type 2
M75EM & Type 2;
M75E-P20 Type 2;
M75E-95G & Type 2;
M75HE & EJ Type 2;
M73PED; DU10-M75E;
SL-95M75E; Phase 1000-4;
R27E; R700E; R1000ED;
R1000EDT; AA92E; EM97EE;
ETS-109E; HTE;
ALL V15 Type II Series

RS-8T; RS-27E;
ED-T2; N75E;
N75ED Type 2;
VN7; VN15E;
N75HE; N75HEJ

black;
gray; yellow

PM3127DE



#52

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s







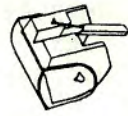






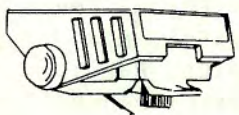


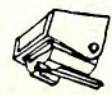



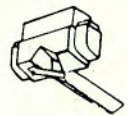

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

SHURE CARTRIDGES (CONT'D)

SC35C	SS35C	lt. blue	PM3148D			#56
M105E	N105E	black	PM3175DE			#131
SPS-1; SPS-2; CA-1; CA-2	N11; N12; NPS-1; NPS-2	brown; orange; gray	PM3164DE			
SPS-3; SPS-4; CA-3; CA-4	N13; N14; NPS-3; NPS-4	tan; blue	PM3165DE			
SPS-5; CA-5	N15; NPS-5	green	PM3166DQ			#57
V15/Type III G	VN3G	gray	PM3145D			
V15/Type III; M24H; V15/Type IIIHE	VN35E; N24H; VN35HE	black; beige; gold	PM3146DE			#58
V15/IV-G	VN4G	black	PM3161D			
V15/IV	VN45E	black	PM3160DE			
V15/IVHE	VN4G; VN45HE	black	PM3162DQ			#60
M95EJ	N95EJ	lt. green	PM3156DE			
M95ED; M95G; M98ED Type 2; M95HE	N95ED; N95G; N95HE	yellow; gray; black	PM3155DE			#59
M92LT; M94LT; M96LT (P-Mount); L-TP2	N92LT; N94LT; N96LT	brown; blue; yellow	PM3171D			
M97LT (P-Mount); V15LT	N97LT; VN45LT	red; black	PM3172DE			#120

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s


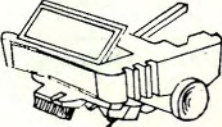









ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

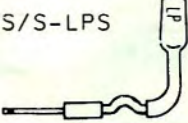
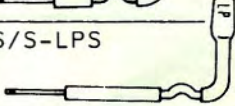
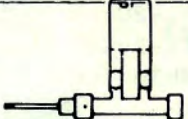
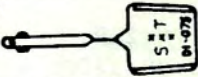
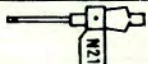
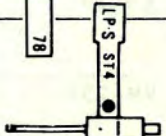
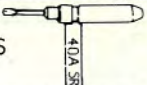
EVG
NEEDLE #

TIP/FIGURE
STYLE

SHURE CARTRIDGES (CONT'D)

M97B; M97GD	N97B; N97GD	black	PM3167D			
M97EJ M97ED	N97EJ; RS-9E N97ED; RXT-4	black	PM3168DE			
M97HE	N97HE	black	PM3170DQ			#50
M92	N92	red	PM3173D			
M99E; M104E; M110HE; M92E; ME75P; ME94P; ME96P	N99E; N104E; N110HE; N92E	blue; red; yellow; white; gray	PM3174DE			#130
ML120HE; ML140HE	N120HE; N140HE	black	PM3176DQ			#132
DESIGNER SERIES	NDC-EJ; NDC-ED; NDC-HE	black	PM3177DE			#133

FOR SONOTONE CARTRIDGES

W-9980, 2T Series, 2TA Series, 5T Series, 7T Series	N2T-S, -SD; N2TA-S, -SD; N5T-S, -SD; N7T-S, -SD		3201DS	D-LPS/S-LPS		
8T Series 8TA Series	N8TA-S, -SD, -S77D; N8T-SD, -S		3213DS	D-LPS/S-LPS		
9T, 9TA Series; 16T Series; 916TA Series	N9T-S, -D77, -S77; N16T-S, -S77, -SD77; N9916-S, -S77, -SD77		3214DS	D-LPS/S-LPS		
14T, -S, 14TLBS; 15T, -S, 15TLBS	N14T-D1, N-14TH-1D; N15T-1D		3005D	D-LPS		
21T, 22T, 23T, 24T, 31T, 35T, 43T Series	N-21T-SD, -S; N35T-SD, -S		3224DS	D-LPS/S-LPS		
51T, 52T, 54T, 60T, 61T, 65T, 66T Series	MS, MS77, MSD, MSD7		2421DS	D-LPS/S-LPS		
3509, 3549, 3559	AD AS		3233DS	D-LPS/S-LPS		

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

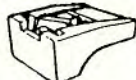
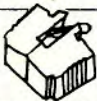
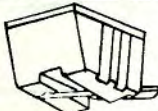
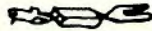
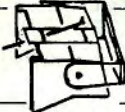
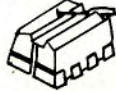

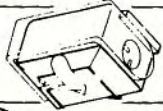

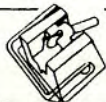

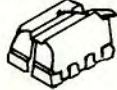



ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR SONY CARTRIDGES

VL-5; VL-7E	ND-5G; ND-7E	blue; yellow	PM2304D	●		#23
VM-9P; VM-98	ND-113P	white; gray	PM2834D	●		#61
VM-10P; VM-11G; VM-15P; VX-15P	ND-114P; ND-115G; ND-117P	black; red; orange; pink	PM2844D	●		#63
VX-12P	ND-116P		2829D	D-LPS		
VL-48G	ND-148G	green	PM2243D	●		#85
NS-12; VM-21P	ND-124P; ND-125G; ND-125P	black; red; yellow; orange	PM2472D	●		#65
VL-14GS	ND-14G	red	PM3079D	●		#66
XL-15; XL-25E	ND-15G; ND-25E	red	PM2867D	●		#90
VX-17P; VX-18P	ND-120P; ND-119P	green; red	PM2836D	●		#20
VL-20G	ND-220G	red	PM2879D	●		#135
XL-20; XL-20G; XL30	ND-200E; ND-200G; ND-30E	blue	PM2865D	●		#88
VM-22G; VM-22P; VM-26GA; VM-1200G	ND-132GA; ND-126G; GA; ND-126P; ND-131G;	blue; green; black	PM2305D	●		#65
VX-23P	ND-127; ND127P	red	PM2650D	●		#38
VM-25G	ND-129G	green; yellow	PM2276D	●		
VM-25G; CD-4	ND-130G; ND-130E	white; ivory	PM2280DQ	●		#11

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s




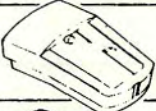







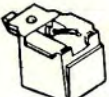

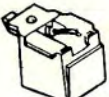

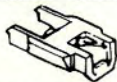



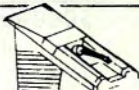









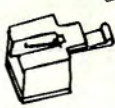
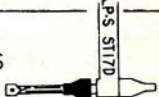
ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR SONY CARTRIDGES (CONT'D)

VM-27G	ND-135G	white; red; orange	PM2307D			#78
VL-30G; VL-32G; VM-32G	ND-133G; ND-134G	green; red; yellow; orange	PM2840D			#18
VL-33G; VL-36G	ND-136G	orange; red	PM2294D			#21
VL-37G	ND-137G	yellow	PM2852D			#25
VL-38GSA	ND-138G ND-147G	orange; red; gray	PM2298D			#26
VL-42G VL-55G	ND-142G, -GP ND-155G	yellow; pink	PM2312D			#114
	ND-142EP;EY	yellow; pink; green	PM2322DE			#114
VL43GS	ND-143G	blue	PM2979D			#137
VL-44GA	ND-144G	black; purple	PM2314DE			#82
VL-45G	ND-145G	gray; white	PM2315D			#83
VX-46P	ND-146P	white	PM2854D			#80
VX-52P	ND-152P	red; gray	2440D			#154
VL-53G	ND-153G	black	PM2318D			#145
VX-50	ND-50	orange	PM2881D			#136
VX-60G	ND-60G	red	PM2853D			#76
VX-70	ND-70G		2428DS D-LPS/S-LPS			

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

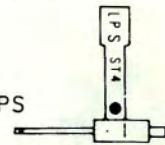
EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR SONY CARTRIDGES (CONT'D)

ND-301P

2421DS D-LPS/S-LPS

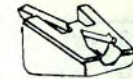


XL-70; XL-50

ND-70X; ND-50X

red; orange

PM2866D



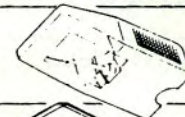
#89

VL-100

ND-100G

green

PM2843D



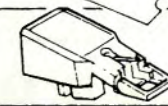
#19

VL-141G

ND-141G

wine red

PM2319D



#150

VX-108; VM-8GS

ND-108G

green; red

PM2775D



#86

XL-150

ND-150G

red

PM2878D



#134

XL-300G

ND-300G

orange

PM2874D



#174

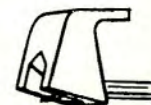
FOR STANTON CARTRIDGES

500AA; 500A;
500AL

D5105AA; D5107A;
D5107AL; D5110

black w/
color dots

PM4202D



500EE; 500E

D5100EE; D5100E;
D5; D51

black w/
gold or
red dot

PM4204DE



#46

600A

D6010; D6071A

black

PM4219D



600E; 600EE

D6004E; D6003EE;
D6; D61; D62

black

PM4208DE



#45

681A

D6807A; D6810

black w/
silver or
green dot

PM4211D

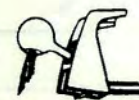


681EE; 681SE;
680EL; 680EE

D6800EE; D6800SE
D680; D6800EL;
D65

black w/
silver or
red ellipse

PM4212DE



681EEE

D6800EEE

black w/
silver

PM4216DE



681EEE (S-Type);
780/Q; 780/4DQ

D6800EEE-S;
4DQ; Q; 7800-4DQ

black

PM4217DQ



#47

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s




ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR STANTON CARTRIDGES (CONT'D)

		white	PM4022D		
L720EE; L727E; L737E; L737S; L747S	D-71EE; D72E; D-73E; D735; D-745	black	PM4023DE		

#129

FOR TENOREL CARTRIDGES

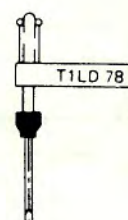
T-2001D	N-2001D	white	PM2000D	
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#113

FOR TETRAD CARTRIDGES

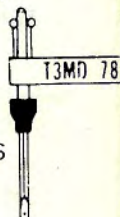
Cartridges having
these numbers
stamped on the
needle handle:

10, 10S, 11, 11S, 12, 12S, 3391 S-LPS/S-LPS
13, 13S, 14, 14S, 30, 30S,
31, 31S, 32, 32S, 33, 33S,
34, 34S, 71, 71S, 73, 73S,
74, 74S, 80, 80S, 90, 90S,
93, 93S, 110, 110S, G0, GAS,
G1S, G2S, G3S, T1LS, T10LS



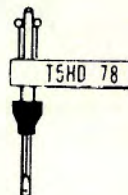
10D, 11D, 12D, 13D, 14D, 3391DS D-LPS/S-LPS
30D, 31D, 32D, 33D, 34D,
71D, 73D, 74D, 80D, 90D, 93D,
110D, G0D, G1D, G2D, G3D
T1LD, T10LD, TZ1D, TC12M6/T2MD,
TC12M0/T20MD, TC12M1/T2MD

20, 20S, 21, 21S, 22, 22S, 23, 23S, 3393 S-LPS/S-LPS
40, 40S, 41, 41S, 42, 42S, 43, 43S,
44, 44S, C0, C0S, C1, C1S, C2, C2S,
C3, C3S, E1, E1S, E2, E2S, T3MS



20D, 21D, 22D, 23D, 40D, 41D, 42D, 3393DS D-LPS/S-LPS
43D, 44D, C0D, C1D, C2D, C3D, E1D,
E2D, T3MD TC11M0/T30MD, TCHM1/T30MD

51, 51S, 52, 52S, 53, 53S, 3395 S-LPS/S-LPS
54, 54S, 61, 61S, 62, 62S,
63, 63S, 64, 64S, A1, A1S,
A2, A2S, A3, A3S, B0, B0S,
B1, B1S, B2, B2S, B3, B3S, K1
K1S, T5HS



51D, 52D, 53D, 54D, 61D, 62D, 3395DS
63D, 64D, A1D, A2D, A3D, B0D,
B1D, B2D, B3D, K1D, T5HD, T50HD, T50HS,
TC12H0/T5HD, TC12H1/T50HD

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE

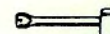
FOR THOMSON CARTRIDGES

STC-1000D

STC-1000, 9-058-004

2479D

D-LPS



FOR TOSHIBA CARTRIDGES

C-07M NN-4CS; NN-4D white; gray PM2834D ● #61



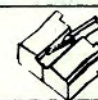
C-20 N-272; N-292 black; red; white PM3064D ● #149



C-22C N-11C; N-14C blue; white PM3204D ● #138



C-26M NN-12C; NN-12D lt. gray; green PM2848D ● #64



C-27M N-13D; NN-13C white PM2305D ● #65



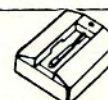
C-29M; C-53M; C-35M N-14DY; N-53DY red; white; gray PM2275D ●

C-52M N-52DY yellow PM2276D ●

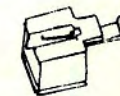


C-59M N-59DY blue PM2277DE ● #11

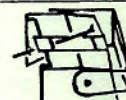
N-20C 2480D D-LPS



C-21D N-21C white PM2853D ● #76



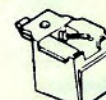
C-36C; C-37C N-36C; N-37C green PM2243D ● #85



C-40 N-40C 2481D D-LPS



C-16 N-16D red PM2312D ● #114



NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE



FOR TOSHIBA CARTRIDGES (CONT'D)



C-32M	N-32D	red; white	PM2315D	●		#83
C-56M	N-56DY	gray	PM2294D	●		
C-55M; C-57M	N-55DY; N-57DY	gray; green; yellow	PM2295D	●		#21
C-50M; C-51M	N-50D; N-51D	red	PM3102D	●		#118
C-60M	N-60DY; N-71D; N-292; N-293DY	white;red yellow;gray	PM2298D	●		#26
C-64M	N-62; N-64; N-66; N-69	maroon; red	PM2868D	●		#91
C-72M	N-72D	black	PM2317D	●		#144
C-74M; C-75M	N-74C; N-75C	black	PM2938D	●		#147
C-77	N-77D	red	PM3095D	●		#106
C-78	N-78D	black	PM3052D	●		#181
C-80	N-80	wine red	PM2319D	●		#150
C-160M	N-160	orange; red	PM3078D	●		#98



NOTE: Drawings not to actual size.

ORIGINAL CARTRIDGE #s	ORIGINAL NEEDLE #s	ORIGINAL COLORS	EVG NEEDLE #	TIP/FIGURE STYLE
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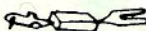

FOR TOSHIBA CARTRIDGES (CONT'D)

C-220M	N-220M	green	PM3093D	  #104
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C-210M; C-230M	N-210M; N-210C; N-210CEX	blue; red; white	PM3112D	  #84
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C-250M; C-260M	N-250; N-260	green; red; black	PM2775D	  #86
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MODEL GP-44F			2421DS	D-LPS/S-LPS 
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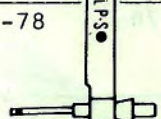
N-09C;N-14C;N-19C N-050;N-080; TP102;TP-125	N-2C;N-6C;TP-102L; TP-102S;TP-106L;TP-114ST		2829D	D-LPS 
			3009D	D-LPS 

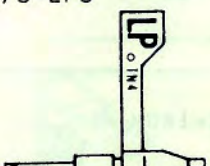
C-03C;C-10C	N-3CB,-3DB		2835DS	D-LPS/S-78 
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FOR VARCO CARTRIDGES

SC-501, Y201, ST-4, ST-40, STP-2 CALRAD, VARCO, VICTOR	ST-7		2829D	D-LPS 
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SN-45, SN-45D ST-2 Series, ST-4 Series, ST-20, ST-40, S-45 ST-100, ST-200, TN-5, TO-35X, T-45, TO-45, T-55	NBS-12-DLP,-12-S,-12-SLP; NBS-13-SLP;NBS-14DLP; ST-40LP, -40ST, SS-L; TO-L, -N,-S.		3009	S-LPS
			3009D	D-LPS 

TN-02, TN-02D, TN-02H, TN-2HD, TN-02M, TN-02MD	LPS-D, NTO-9-DS, LPS, TN, NTO-9-SS		3330DS	D-LPS/S-78 
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N60, CN62, CN65, CN67, CN68, CN70, CN72, CN73, CN75, CN75-3, TMS TN4A, TN4AD, TN4B, TN4BD TN8T, TN8TD, TN8U, TN8TD GL2-N5D, S-5D, TN-16D	CN, NTO-11-SS;CN-D;NTO-11-DS NTO-7-DS,-7-SS;NTO-10-7S,-10-SS; S-TN4;TN-4;TN-5;4AD;4AS;D-TN4. N5D;NTO-8-DS,-8-SS TN8D; TN8S.		3332DS	D-LPS/S-LPS 
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NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s




ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

EVG
NEEDLE #

TIP/FIGURE
STYLE





FOR YAMAHA CARTRIDGES

CG-3000	N-3000	white	PM2834D	●		#61
CG-5000	N-5000	white; gray	PM2472D	●		#65
CG-5500	N-5500	white; gray	PM2848D	●		#64
CG-6500	N-6500	gray	PM2275D	●		#11
CG-6600S	N-6600S N-6600	gray; orange	PM2294D	●		#21
CG-6700; YPC-1	N-6700; N-6900	gray	PM2298D	●		#26
CG-6800	N-6800	gray; black; orange; red	PM2306D	●		#77
CG-4500 II	N4500 II	white; red; black	PM2307D	●		#78
M-75BM/II	SH-N-75B	beige	PM3128D	●		#52
V15/III	SH-VN-35E	black	PM3146DE	●		#58
CG-7050 CG-7080	N-7050 N-7080	black	PM2319D	●		#150
CG-7700, -7800	N-7700, N-7800	orange; red gray	PM2312D	●		
CG-7900	N-7900	green	PM2322DE	●		#114


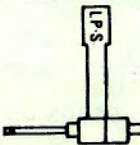
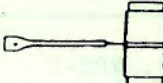
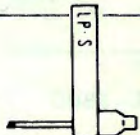
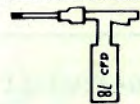

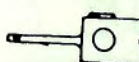
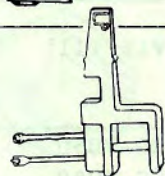

NOTE: Drawings not to actual size.

ORIGINAL CARTRIDGE #s	ORIGINAL NEEDLE #s	ORIGINAL COLORS	EVG NEEDLE #	TIP/FIGURE STYLE
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FOR YAMAHA CARTRIDGES (CONT'D)

CG-8100	N-8100	black	PM3052D	  #182
GG-8300	N-8300	clear; red; gray	PM2855DE	  #87

FOR ZENITH CARTRIDGES

142-144; 142-145; 142-148; 142-149; 142-156	56-518; 56-519; 56-528; 56-531; 56-532.	2123 2123DS	S-LPS/S-LPS D-LPS/S-LPS	
142-165, -165B; 142-170B; 142-171B; 942-53; 942-54; 942-63; 942-64	56-557; 56-566; 56-567B; 56-598	2424DS 2427DS	D-LPS/S-LPS D-LPS/S-LPS	
142-92; 142-93; 142-95; 142-117; 142-118	56-399; 56-400; 56-401	2604 2604D	S-LPS D-LPS	
142-155, 142-160, 942-48,	56-539 56-540	2622DS	D-LPS/S-LPS	
142-172	56-597	2625DS	D-LPS/S-78	
142-110B, 142-111B, 142-115	56-436B, 56-437B	2675D	D-LPS	
142-121, 142-122, 142-123	56-465, 56-467	2677D	D-LPS	
142-133, 142-134	56-495 56-496	2679DS	D-LPS/S-78	
142-47, 142-84, 142-85, 142-86B, 142-95, 142-96, 142-97, 142-124, 142-125, 142-161B, 942-8B, 942-44, 942-45, 942-46, 942-60, 942-62	56-371, 56-376B, 56-378B 56-545B 56-372, 56-377B 56-480 856-77	3009 3009D	S-LPS D-LPS	

NOTE: Drawings not to actual size.

ORIGINAL
CARTRIDGE #s

ORIGINAL
NEEDLE #s

ORIGINAL
COLORS

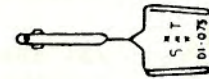
EVG
NEEDLE #

TIP/FIGURE
STYLE

FOR ZENITH CARTRIDGES (CONT'D)

142-98B, 142-99B, 142-101B, 56-403B, 56-421B,
142-107B, 142-113, 142-146B, 56-442, 56-442B,
142-147B, 142-152B, 142-153B, 56-406B 56-525
142-157, 942-41

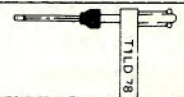
3005D D-LPS



142-164, 142-175,
142-185, 800-330

56-560, 56-638

3391 S-LPS/S-LPS
3391DS D-LPS/S-LPS



142-162

56-551

3393 S-LPS/S-LPS
3393DS D-LPS/S-LPS



142-154, 142-159
142-169

56-534, 56-535,
56-590, 56-591

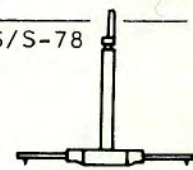
3395 S-LPS/S-LPS
3395DS D-LPS/S-LPS



142-126, 142-127, 142-128,
142-136, 142-137, 142-138,
142-140, 142-141,
142-142, 142-143

S-62648
S-62649,
S-55805,

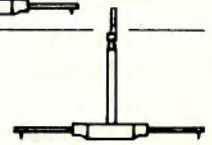
3452DS D-LPS/S-78



142-150, 142-151,
142-163, 142-166,
142-168

S-68566,
S-68567,
S-75801

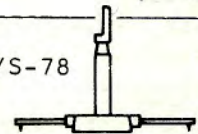
3454DS D-LPS/S-78



142-167

S-82621, S-83010

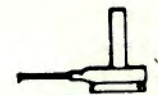
3456DS D-LPS/S-78



142-182

56-632

3458D D-TRUN



942-100

856-163 blue

PM2225D

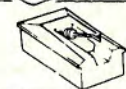


#4

942-239

856-203 red; ivory

PM2298D



#26

MD-1045

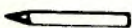
DT-45 white

PM2315D



#83

FOR THUMB SCREW AND SET SCREW CARTRIDGES



3805

Steel

3805, 25 per package

DPC-23

Steel

50 Packages of 30 needles each.

NOTE: Drawings not to actual size.