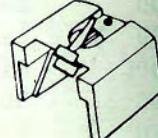
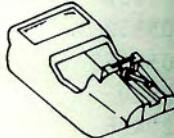


<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b>FOR ADC CARTRIDGES</b>				
PT.4; PT.4/E; Point 4; 650; 660/E; 770; 809/E	R-770; R.-4; R-.4E; R-8E; R-660; R-660E	red	PM2202D	
10/E; 10/E MKII; 220; 220/E; 550E; 990/E	R-20; R-5E; R-9E; R-12E; R-20E	red	PM2212D	
220X; 90X	R-20X; R-90X	tan	PM2214D	
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	
QLM32MKIII; QLM32	RSQ32; RQLM32	black; gray	PM2233DE	
QLM34MKIII; QLM36MKII; QLM36MKIII; INTEGRA XLMII; STXLMII	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.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b><u>FOR ADC CARTRIDGES (CONT'D)</u></b>				
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	
Q-3, Q-4	RQ-3, RQ-4	black	PM2239DE	 #85
SX-5; SX-5E	RSX-5; RSX-5E	blue; red	PM2242D	 #5
		black	PM2205D	 #182

FOR ACUTEX CARTRIDGES (PIEZ0)

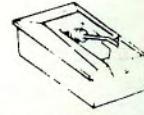
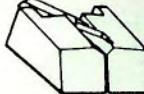
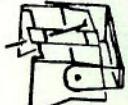
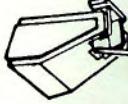
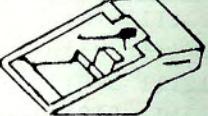
M306II	306/II	white; yellow	PM2890D		
M320III STR;					
M307IIIE; M310IIIE;	307/II; 310/II;	black; red;	PM2891DE		
M312IIIII STR;	312/III; 315/III;	yellow; blue;			
M315IIIII STR;	320/III	gray			#17

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

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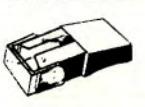
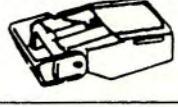
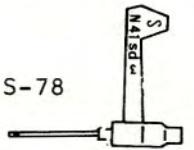
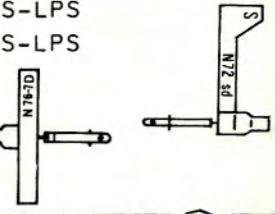
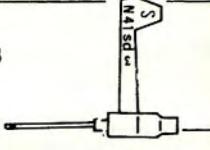
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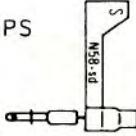
<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b><u>FOR AIWA CARTRIDGES (CONT'D)</u></b>				
AN-5; 84-118-963-01		red; gray	PM2298D	 #26
AN-6		green	PM2823D	 #62
AN-D7		yellow	PM2304D	 #23
AN-10; AN-20		blue; red	PM3095D	 #106
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.

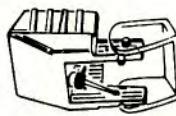
<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b><u>FOR AKAI CARTRIDGES</u></b>				
APC-2; APC-5	APN-2; APN-5	lt. gray; yellow	PM2276D	
APC-4	APN-4	brown; ivory	PM2280DQ	
RS-3 PC-7	RS-3 RS-7	black; gray	PM2309DE	
	RS-3J	red	PM3094D	
LMB-5, 12; SMB-5	RS-5; RS-41	black	PM3026DE	
PC-10	RS-10	black	PM2019D	
PC-33 PC-35	RS-33 RS-35	black; white; ivory	PM2315D	
	RS-50; RS-50E	black	PM3052D	
PC-77	RS-77	black	PM2317D	
PC-83; PC-85	RS-83; RS-85	yellow; black; brown	PM2298D	
PC-82	RS-82	red; green	PM2312D	
PC-84	RS-84	red; blue	PM3203D	

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>
<b><u>FOR AKAI CARTRIDGES (CONT'D)</u></b>				
PC-90	RS-90	yellow;	PM2304D	
PC-95	RS-95	black; green		 #23
PC-100	RS-100	black;	PM2890D	
PC-120	RS-120	yellow		#17
PC-150E	RS-150E	black; brown	PM2278DE	
PC-180	RS-180	black; burgandy	PM2284DE	
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
<b><u>FOR ASTATIC CARTRIDGES</u></b>				
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 S-LPS/S-LPS 2123DS D-LPS/S-LPS 2127D D-LPS	
SERIES 445;447; 463	SERIES N52;N53;N54; N55		2117DS D-LPS/S-78	
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>
<b><u>FOR ASTATIC CARTRIDGES (CONT'D)</u></b>				
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				

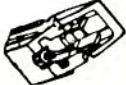
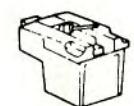
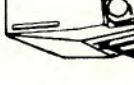
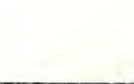
**FOR AUDIO TECHNICA CARTRIDGES**

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

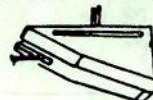
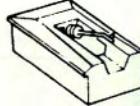
NOTE: Drawings not to actual size.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b>FOR <u>AUDIO TECHNICA CARTRIDGES (CONT'D)</u></b>				
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.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b>FOR AUDIO TECHNICA CARTRIDGES (CONT'D)</b>				
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; AT-150E	ATN-120E, ATN-130E; gold; blue; ATN-135E; ATN-150E; orange; black		PM2301DE	 
AT-125LC; AT-130LC; AT-140LC	ATN-125LC; ATN-140LC; ATN-152LP; ATN-130LC;	ivory; burgundy	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.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b><u>FOR AUDIO TECHNICA CARTRIDGES (CONT'D)</u></b>				
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	 #150
AT-3100E, -XE; AT-3200E, -XE	ATN-3100E, -XE; ATN-3200E, -XE	black; red; brown	PM2320DE	
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	 #83
AT-3472EP;AT-101EP; AT-3492EP	ATN-3472EP,ATN-101EP; ATN-3492EP	brown; ivory	PM2321DE	

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>
<b><u>FOR AUDIO TECHNICA CARTRIDGES (CONT'D)</u></b>				
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 PM2312D purple; black		
AT-3651E; AT-3652	ATN-3651E; ATN-3652E;	green; blue	PM2322DE	
AT-3660	ATN-3660YL	yellow	PM2326D	 #114
AT-3710; AT3711,-E; AT-3712	ATN-3710; -3711, ATN-3711E;-3712;	green; black PM2304D yellow; red		
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
<b><u>FOR A. U. E. CARTRIDGES</u></b>				
CP-28S		white	PM2853D	 #76
CP-30; CP-33		white; orange	PM2854D	 #80
<b><u>FOR AZDEN CARTRIDGES</u></b>				
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

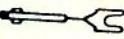
black

2829D D-LPS



120-200

3009D D-LPS

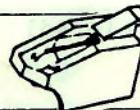


Y-640, 642-A  
ST-20

ST-6D

white

PM3193D



#187

BR-42

DN-16

yellow;  
white

PM3090D



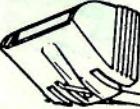
#101

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.

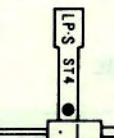
ST-3, -4, -5, -6

2421DS D-LPS/S-LPS

ST-8, -9, -10

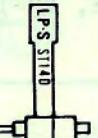
2424 S-LPS/S-LPS

2424DS D-LPS/S-LPS



SC5M;SX6H,SX6M,  
X4M,X5M

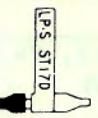
2427DS D-LPS/S-LPS



SERIES SC7;SC8;  
SC10;SC12.

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

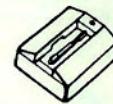
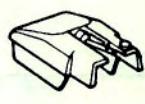
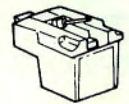
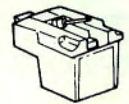
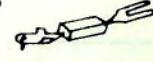
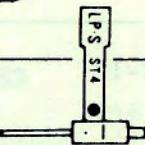
2428DS D-LPS/S-LPS



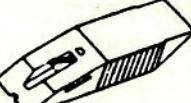
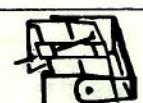
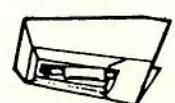
NOTE: Drawings not to actual size.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<u><b>FOR C. E. C. CARTRIDGES</b></u>				
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
<u><b>FOR CHUO DENSHI CARTRIDGES</b></u>				
CZ-699		gray; red	2441D	 #177
CZ-698-3	CZ-800	red; gray	2440D	 #154

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>
<b><u>FOR CHUO DENSHI CARTRIDGES CONT'D</u></b>				
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	
<b><u>FOR CROWN CARTRIDGES</u></b>				
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	
AM-X-87	AM-XA-1	yellow	PM2295D	
<b><u>FOR DENON (COLUMBIA-JAPAN) CARTRIDGE</u></b>				
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	
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	
PUH-30; PV-1556	DSN-15	white	PM2848D	
GM-20	DSN-24	red	PM2472D	

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>
<b><u>FOR DENON (COLUMBIA-JAPAN) CARTRIDGE CONT'D</u></b>				
JM-12	DSN-28	yellow	PM2276D	
	DSN-54	green	PM2277DE	
JM-13	DSN-30	gray	PM2280DQ	
JM-18	DSN- 39; DSN- 39C	yellow	PM2295D	
JC-24	DSN-45	black	2481D D-LPS	
	DSN-48	red	PM3096D	
	DSN-55	orange; black	PM2483D	
	DSN-57; -66	red	PM3095D	
DL-61	DSN-61	gray	PM2024D	
DL-62	DSN-62	gray	PM2025D	
JM-63	DSN-63	black	PM2318D	
	DSN-67	red	PM3102D	
	DSN-68	green	PM2243D	
	SJN-68	red; gray	2440D	

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><b>DUAL CARTRIDGES</b></u>				
	DN-105	green	PM2243D	●  #85
SP-1	DN-301	black; red	PM2410D	●  #27
FF15/II-D	DN-363; DN-350; DN-353	red	PM3024D	●  H #67
V15/IIIDL-M	DN-352	black	PM3146DE	●  #58
V15/AC; V15/DAC	DN-311; DN-314	gray; blue	PM4007D	●  #42
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.

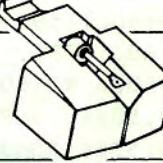
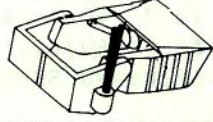
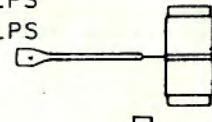
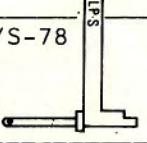
<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<u>FOR ELAC CARTRIDGES</u>				
PE8000; STEREO TWIN; 200; 200D; 220; 222; 240; STS-210; STS-300; STS-310; STS-322	DM-220; DM-222; DM240; DM-310; DNM-210	gold	PM2556D	
				#9

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STS-155-17;	D-155-17; D-244-C;			
STS-244-17;	D-244-G;	black; gray	PM2560D	
STS-244-C;	D-255-17; D-355-17;			
STS-244-G;	D-444-12; D-455-12;			
STS-255-17;	D-555-12			
STS-344-17;				
STS-355-17; STS-444-12;				
STS-455-12; STS-555-12;				#71

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FOR ELECTRO-VOICE CARTRIDGES

TPM-1C		dk. blue	PM4401D	
TMP-2E		white	PM4402DE	
5601D	2650D	red	PM2650D	
600D; 6010D; 86454; V-100; V-100B; LANDMARK 100	2660D; 87069; AT-8L	red	PM2275D	
6009D	2669D	yellow	PM2276D	
6012D	2671D	red	PM2671D	
21,22,26,27 SERIES 126 - 129 SERIES	S1-1;D1-1;S3-3; 2604 &D;2605		2604 S-LPS 2604D 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.

<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 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	
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Early Production Models

198 &D;199 &D; 275 &D;5166 &D	2624 &DS	2624DS D-LPS/S-LPS	
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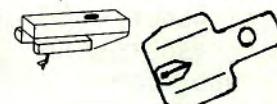
181 &D;182; 5000 - 5005 &D 5010 - 5018 &D 5050D,-51D,-53D -58D,-67D,-75D, -85D,-86D,-88D, -92D; 5168 - 5170 &D; 5558 - 5563D;5583; 5606D; 5622D;5800D	CBD &S;CCD &D;CFD &S CHD &S;CJD;JBD &S JCD &S;JFD;JHD;JJD &S; JKD &S;KBD;KCD;KMD &S; MFS;2630 &DS;2632 &DS 2633 &DS;2634 &DS;2635DS; 2648DS	2625DS D-LPS/S-LPS	
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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;JJ <sup>D</sup> ; 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	
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168 &D;175D;198 &D; 199 &D;275 &D;277 &D; 282 &D;284 &D;5095D; 5097D;5098D;5149D;5166 &D	2644 S-LPS/S-78 2644DS D-LPS/S-78 2647D D-LPS	
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30 &D,35 &D;36 &D; 42 &D;55;80;82; 86-88;85-98 SERIES 135	3005 &D 3006 &D	3005D D-LPS	
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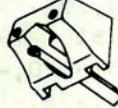
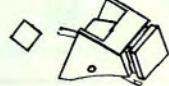
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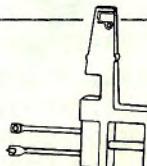
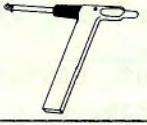
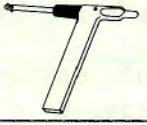
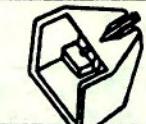
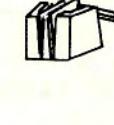
<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b><u>FOR ELECTRO-VOICE CARTRIDGES CONT'D</u></b>				
57-71; 77-94; 99; 100; 102; 103; 119-121; 130; 142-146 &D; 164; 165; 167; 191; 196; 245; 246; 265; 295-297; 5175, -78&D, -79, -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	
<b><u>FOR EMPIRE CARTRIDGES</u></b>				
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	
909E/X 909E/X 999E/X 999SE/X 999TE/X 999VE/X 1000ZE/X	S909E/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.

<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 EMPIRE CARTRIDGES (CONT'D)

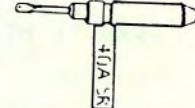
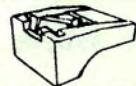
66/X; REX & PVT. Label Series	S66/X-7RD; S906; S66/X; S440 Many More	red	PM2390D	
66E/X; 66EE/X; 66LE/X; 66PE/X; 66QE/X; 700T; 2000X; REX & PVT Label Series	S906E; S440 S66E/X-ERD; S911E; S66LE/X; S910E; S912E; S917E; S66PE/X; S66QE/X; S700T; S2000X; Many More	black; yellow; PM2389DE purple; white; metallic red	#31	
100S; 200E; 280LT	S22E; S100S; S200E; S200LTD; S30LT; S30ST; OP120;	blue; pink; yellow; PM2418DE orange		
300ME; 380LT; 400TC; 480LT; 5001D; 580LT; 600; 800; 900; 980; 1000; 1080 Series	S44E; S300ME; S55E; S400TC; S400LTD; S60; S5001D; S500LTD;	smoke; green; red; PM2420DE tangerine; purple		
		PM2419DE NLA	#35	
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; PM2388DE green		
4000D/III; 4000D/II; 4000D/I; 77-D4; 404/CDQ	S4000D/I S440D; S4000D/III; S4000D/II	black; blue; PM2383DQ white; yellow	#31 or #32	
2000Z; 2000T; 600T	S2000Z; S2000T; S915E; S600T	gold; PM2380DE metallic blue; metallic silver		
15X; 150C; 370C; LTD150; OP100; RM05	SCL; S3D	black	PM2483D	
40E; 250E; 475E; LTD250; OP110; RM20	SE1	blue	PM2484DE	
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>
<b><u>FOR EMPIRE CARTRIDGES (CONT'D)</u></b>				
190LT; 1C	S111	clear; black	PM2485D	
290LT; 390LT; 3E	S333; S875	blue; black	PM2486DE	#124
<b><u>FOR EUPHONICS CARTRIDGES</u></b>				
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	
<b><u>FOR EXCEL CARTRIDGES</u></b>				
ME-55	S-55	red	PM2028D	
ME-65	S-65	clear	PM2029D	
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	
ES-70EX/II	S-70EX/II	translucent brown	PM2891DE	

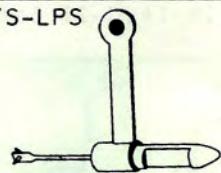
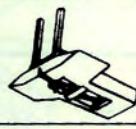
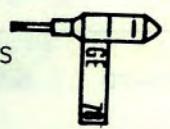
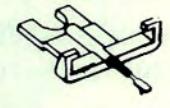
**FOR FISHER CARTRIDGES**

See: SANYO

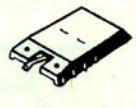
NOTE: Drawings not to actual size.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b>FOR GARRARD CARTRIDGES</b>				
GDS-2, GSS-1 KS-40A, KS-41A, B, C	AD, AS		3233DS D-LPS/S-LPS	
	GA-150	yellow	PM2304D	
	GS-22; GS-22E	black	PM2314DE	

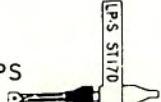
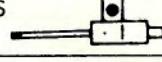
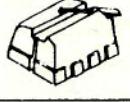
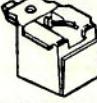
**FOR GENERAL ELECTRIC CARTRIDGES**

New VR-11 Series 4G-040, 41, 50, 52, 53, 61, 63, 4GS-, 01D, 02D. 01D-02D, 01D-02S, 01S, 02S, 01S-02D, Fits this series only. Not interchangeable with earlier type.	4G-01D, 4G-01S, 4GS-7D, 4GS-7S	2733D D-LP	
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	
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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>
<b><u>FOR GRADO CARTRIDGES CONT'D</u></b>				
FCE, FCR, FTE, FTR.	FCE/S, FCR/S, FTE/S, FTR/S.	dk. gray	PM2723DE	
	XF3E/S	dk. tan	PM2724DE	
				#37
<b><u>HITACHI CARTRIDGES</u></b>				
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	
	DS-ST7	red	PM2312D	
MT-12; MT-14	DS-ST12; DS-ST14	white; gray	PM2315D	
MT-11F	F-11	yellow; black	PM2924D	
MT-16	DS-ST16	black	PM2318D	
MT-17	DS-ST17	ivory; red; yellow	PM2313D	
	E150	black	PM2301DE	
				#13

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>
<b>HITACHI CARTRIDGES (CONT'D)</b>				
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	
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

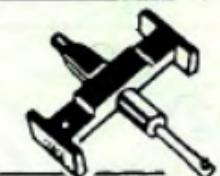
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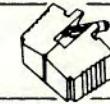
SJ-45

black

PM2481D

D-LPS

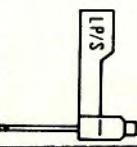
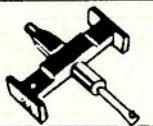
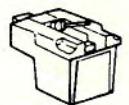
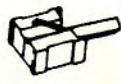


<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b><u>HITACHI CARTRIDGES (CONT'D)</u></b>				
1M-1310	CN-104	blue; brown; red	PM3095D	 #106
	SJ-45	black	PM2481D	D-LPS 
<b><u>FOR JAPAN VICTOR (JVC, NIVICO) CARTRIDGES</u></b>				
	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

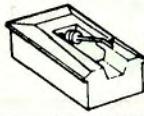
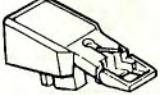
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<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b>FOR JAPAN VICTOR (JVC, NIVICO) CARTRIDGES (CONT'D)</b>				
LINEAR TRACK TURNTABLE; MD-1034	DT-37L	violet	PM2943DE	
MD-1032; J.C. PENNY 52402000012	DT-36	red	PM3096D	
MD-1041	DT-41	dk. blue	PM2945D	
	DT-45, DT-45/B	white; blue; PM2315D		
	DT-45E	brown	PM2321DE	
MD-1055Z; MD-1055E	DT-55; DT-55/II; DT-55W	blue; yellow; red	PM2312D	
	DT-56	black	PM2318D	
	DT-200E; DTE3E	brown; red; black	PM2320DE	
05232;31276;75310; EG-73011;SCC-3	DT-7;PT-4;SL-2;SL2L; SL-14;SLS-2;SS-2;SS-14; ST-4;ST-7		2829D D-LPS 3009D D-LPS	
L-D77	DT-ZL1S;	blue	PM2804D	
Z1S	DT-Z1S	grey	PM2946D	
Z-5P	DT-Z5S	tr. orange	PM2802D	

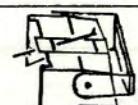
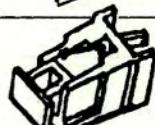
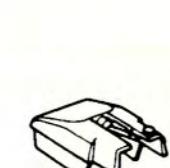
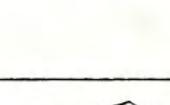
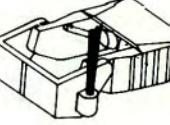
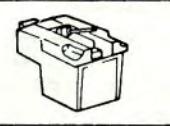
NOTE: Drawings not to actual size.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b>FOR JAPAN VICTOR (JVC, NIVICO) CARTRIDGES (CONT'D)</b>				
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	
<b>FOR JELCO CARTRIDGES</b>				
MC-15D; MC-15E	ND-15D; ND-15E	green	PM2942D	 #74
MC-50	ND-50D	black	PM3102D	 #118
<b>FOR KENWOOD (TRIO) CARTRIDGES</b>				
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

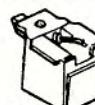
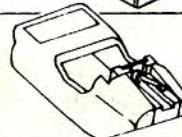
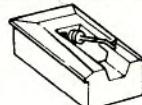
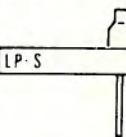
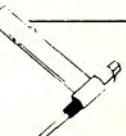
NOTE: Drawings not to actual size.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b><u>FOR KENWOOD (TRIO) CARTRIDGES (CONT'D)</u></b>				
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

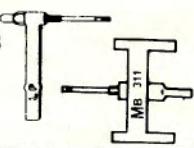
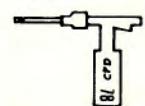
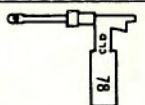
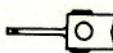
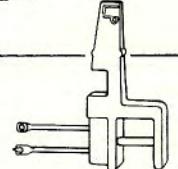
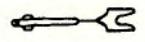
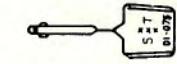
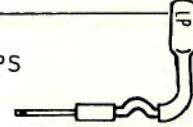
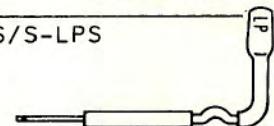
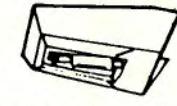
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<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b><u>FOR KENWOOD (TRIO) CARTRIDGES (CONT'D)</u></b>				
V-62	N-62	blue	PM2935D	●  #171
V-63	N-63	blue; ivory; white	PM2315D	●  #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
<b><u>FOR MAGNAVOX CARTRIDGES</u></b>				
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

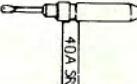
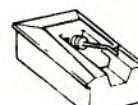
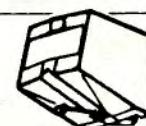
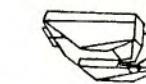
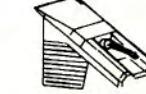
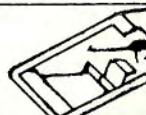
NOTE: Drawings not to actual size.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b>FOR MAGNAVOX CARTRIDGES (CONT'D)</b>				
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	 78
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	 LP-S
560345,-2 (Early Models); 560350,-2			2624DS D-LPS/S-LPS	

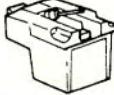
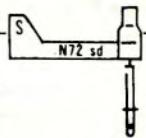
NOTE: Drawings not to actual size.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b><u>FOR MAGNAVOX CARTRIDGES (CONT'D)</u></b>				
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; 560353-1	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	569030007; 569060006	red; gray	2440D	 #154

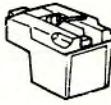
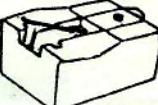
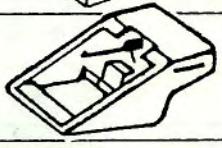
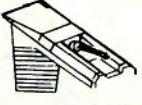
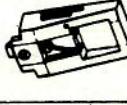
NOTE: Drawings not to actual size.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b><u>FOR MAGNAVOX CARTRIDGES (CONT'D)</u></b>				
76122075	76123074		3233DS D-LPS/S-LPS	
<b><u>FOR MARANTZ CARTRIDGES</u></b>				
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

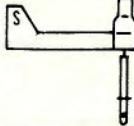
NOTE: Drawings not to actual size.

ORIGINAL CARTRIDGE #s	ORIGINAL NEEDLE #s	ORIGINAL COLORS	EVG NEEDLE #	TIP/FIGURE STYLE
<b><u>FOR MARANTZ CARTRIDGES (CONT'D)</u></b>				
500S		black; gray	PM2295D	 #21
<b><u>FOR MASTERCRAFT CARTRIDGES</u></b>				
MCI-5	MCI-5	gray; white	PM3089D	 #100
FMS-960		2123 2123DS	S-LPS/S-LPS D-LPS/S-LPS	
<b><u>FOR MGA-MITSUBISHI CARTRIDGES</u></b>				
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.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b>FOR MGA-MITSUBISHI CARTRIDGES (CONT'D)</b>				
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

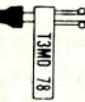
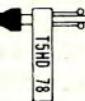
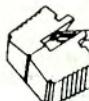
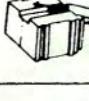
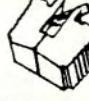
**FOR MOTOROLA CARTRIDGES**

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

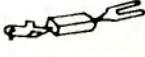
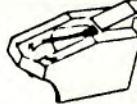
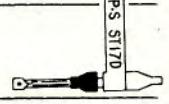
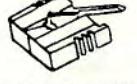
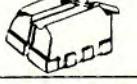
NOTE: Drawings not to actual size.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b>FOR MOTOROLA CARTRIDGES (CONT'D)</b>				
59C643220	92-289S7, 47K643151		2604	S-LPS
59C643221	92-289D7, 47K643150			
59K643335	92-289S3, 47K643152		2604D	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	S-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,	92-810SS, 92-812SS, 59-62971A03, 59C63643A03		3391	S-LPS/S-LPS
59C63543A04, 59C63643A05, 59C63643A06, 59C63643A07, 59C63784A01, 59C63784A03	92-810DS, 92-812DS, 59C63643A02		3391DS	D-LPS/S-LPS

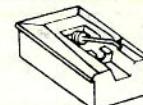
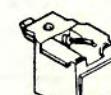
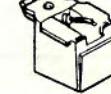
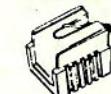
NOTE: Drawings not to actual size.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b><u>FOR MOTOROLA CARTRIDGES (CONT'D)</u></b>				
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	
<b><u>FOR NAGAOKA CARTRIDGES</u></b>				
NM-33S	33-05; 33-07	white	PM2834D	 #61
	CN-104; CN-106	red	PM3095D	 #106
	CS-201	white	PM2848D	 #64
<b><u>FOR NIPPON ELECTRIC (NEC) CARTRIDGES</u></b>				
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
<b><u>FOR ONKEN CARTRIDGES</u></b>				
MG-2		black; orange	PM2308D	 #79

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>
<b>FOR ONKYO CARTRIDGES</b>				
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	
OC-5M; OC-13M	DN-5ST; DN-13ST	white; gray	PM2834D	
OC-12C	DN-12		2816D D-LPS	
OC-31	DN-31		2428DS D-LPS/S-LPS	
	DN-ST37V	orange; red	PM2279DE	
OC-15	DN-15ST	green; gray	PM2848D	
OC-16M	DN-16ST	yellow; brown	PM3090D	
OC-18M; OC-24M; OC-36M	DN-18ST; DN-24ST; DN-36ST	green; red; orange; brown	PM2472D	
OC-27V; OC-32V	DN-27ST; DN-32ST	gray; red; yellow	PM2275D	
OC-29M; OC-34	DN-29; DN-34	green; red; blue	PM2775D	
OC-30	DN-30	black	PM2392D	
OC-33	DN-33ST	white; red	PM2307D	
OC-35M	DN-35ST	yellow	PM2295D	

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>
<b><u>FOR ONKYO CARTRIDGES (CONT'D)</u></b>				
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	● 
	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
<b><u>FOR ORTOFON CARTRIDGES</u></b>				
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.

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

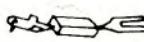
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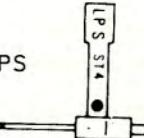
<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b><u>FOR PANASONIC (NATIONAL-MATSUSHITA-TECHNICS) CARTRIDGES (CONT'D)</u></b>				
EPC-78SMAD; EPC-78SMBD; EPC-78SMCD	EPS-31STSD; EPS-34STSD	ivory; gray green	PM2275D	●
EPC-82SMAD; 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	●
EPC-27WTFJ5, -GJ5, -GS5; EPC-70LTBS, -LTC, -LTCS	EPS-04LP, -SP, -ST, -STSD		3009 S-LPS 3009D D-LPS	●

NOTE: Drawings not to actual size.

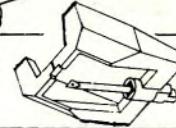
<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
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**FOR PANASONIC (NATIONAL-MATSUSHITA-TECHNICS) CARTRIDGES (CONT'D)**

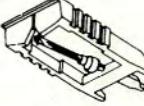
EPC-29, -29TTBJ4, 299TTCJ1; EPC-69STA, -69STC, -69STE	EPS-04ST	2829D D-LPS	
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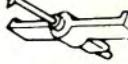
EPC-34TTAD, -BD, -CD, -E; EPC-35TTA, -AD, -VD, -CD; EPC-71WTA, -B	EPS-13TT, -TTS, -15TT; EPS-13TTSD, -15TTSD	2421DS S-LPS/S-LPS	
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EPC-34STAD, -STBD, -STCD, -STC	EPS-14, -STSD, EPS-35	2816D D-LPS	
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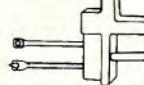
EPC-34STFA, -STFAD	EPS-18ST, -STSD	2817D D-LPS	
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EPC-95SS	EPS-24	2442D D-LPS	
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EPC-42STAV2D, -STAD; Models SC555A, SE850	EPS-25, -STSD	2815D D-LPS	
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EPC-05STAD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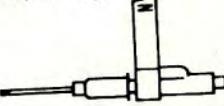
U8-11; U88	U-11	2679DS D-LPS/S-78	
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**FOR PERPETUUM-EBNER CARTRIDGES**

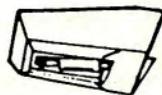
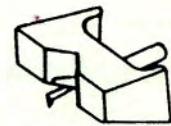
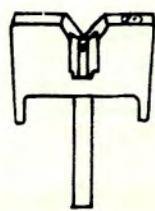
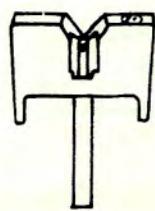
PE-9000/2	PE-9000; SR-07	black; red	PM2410D	
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#27

**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.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b><u>FOR PHILIPS CARTRIDGES (CONT'D)</u></b>				
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
<b><u>FOR PICKERING CARTRIDGES</u></b>				
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.

<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 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
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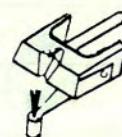
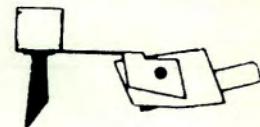
XV-15; V-15 Micro IV & V-15 Phase IV Series; XV-15/350; XV-15/150; V-15 Micro IV AM; V-15 Micro IV AT; XV-15 AM; XV-15AT	4507 AM; D150; DIV AT; 4507 AT; D350; DIV AM	black w/ gold ivory w/ gold	PM4039D
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XV-15; V-15 Micro IV & V-15 Phase IV Series; SV-15/400E; 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
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XV-15/1200E; XV-15/750E; XV-15/625E; XV-15/1800S	D1200; D750; D625; D1800S	black w/ gold	PM4052DE
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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
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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
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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>
<b><u>FOR PICKERING CARTRIDGES (CONT'D)</u></b>				
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	
#7				
313	D3107; S3110	gray	PM4057D2	
#48				
340D	D340; S3407	yellow	PM4058D2	
#49				

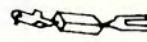
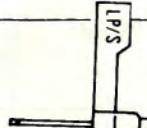
**FOR PIEZO CARTRIDGES**

950	Y-950	white	PM2834D	
				#61

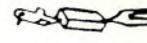
NOTE: Drawings not to actual size.

<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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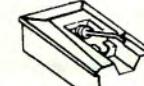
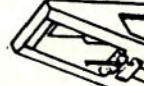
FOR PIEZO CARTRIDGES CONT'D

YM-308; YM308/II	AN-308; AN-308/II	black; yellow	PM2890D	
YM-308E; YM-308/IIX	AN308E; AN308/IIX	black; red	PM2891DE	
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, MS-2S, MT-, 2H1, 2R, 2S, 14, 14R, 14V, SMT 18, 19, 36, 37	1-31-1 1-32-1		3009 3009D S-LPS D-LPS	

FOR PIONEER CARTRIDGES

PC-C3	PL-N3		2829D D-LPS	
AT-66	AT-21	yellow	PM2848D	
PL-C6; PL-C7	PL-N6; PL-N7	white; ivory; gray	PM2834D	
PL-C9	PL-N9	white; lt. gray	PM2861D	
PC-12; PC-10; PC-150	PN-12; PN-110; PN-110II; PN-150	black; blue; yellow; red	PM2869D	
PC-30; PC-50	PN-30; PN-50	rose; lt. violet	PM2864D	

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>
<b><u>FOR PIONEER CARTRIDGES (CONT'D)</u></b>				
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.

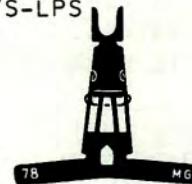
<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
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**FOR RCA CARTRIDGES**

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

110020, 110020A

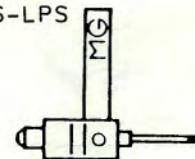
2907DS D-LPS/S-LPS



112124, 126316, 115276,  
115277, 115302, 115303,  
115346, 115347, 115703,  
116931, 116932, 117330,  
117331, 118055, 118056,  
122123, 126317,  
RMP-204-1,-1C,-5,-6,-9.

115328, 115329, 115911,

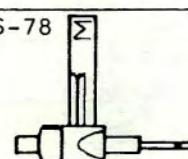
118197, 118198, 118199, 2912DS D-LPS/S-LPS



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

122057

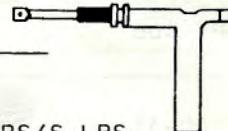
2915DS D-LPS/S-78



1311777, 131778, 132026,  
132027, 133706, 133750,  
135273, 138262

131781, 133625

2917D D-LPS



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



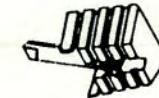
**ROCK-OLA**

424; 425; 426;  
429; 433; 440

40461

black

PM3115D



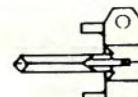
#54

436; 437; 440;  
442; 444; 446

43469

lt. blue

PM3123D



#51

NOTE: Drawings not to actual size.

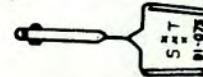
<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
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**FOR RONETTE CARTRIDGES**

SERIES 70; 74; 76; 80;86;118;120;124; 310;312;414;416; 420;422;424;426. ALL RONETTE FONOFLUID & COLLARO STUDIO O & P	SERIES 5304&D5305 BSR TC8G,8TS ASTATIC N7-7D,-7S N8-7D, -7S	3009 3009D	S-LPS D-LPS
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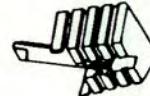


SERIES 105; 106; 208;BF-40;DC-422; DC-500;SCW-395	DA-100, -700; DI-100, -075ST SA-075ST, -700	3005D	D-LPS
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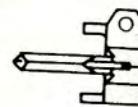
**FOR ROWE CARTRIDGES**

L; M; N; O	----	black	PM3115D
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#54

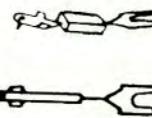
MM-1 thru MM-6 TI-1; TI-2; R-80 thru R-83	218340-01	lt. blue	PM3123D
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#51

**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
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#75

MCI-5	SN-25	gray; white	PM3089D
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#100

MC-6S	SN-26	yellow; brown	PM3090D
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#101

AT-6	SN-22; ST-6D SN-21	white; gray	PM2834D
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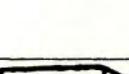
#61

SV-10A; SV-10	SN-10; SN-10M; SN-10A	black; white; blue gray	PM3088D
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#99

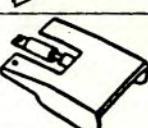
NOTE: Drawings not to actual size.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b><u>FOR SANSUI CARTRIDGES (CONT'D)</u></b>				
V-21	SN-24; ST-9D	white; lt. gray	PM2848D	●  #64
V-27	SN-27	black	PM3091D	●  #102
V-28; SC-37	SN-28; SN-37	white; gray; black	PM3092D	●  #103
V-29	SN-29	blue; red	PM3112D	●  #84
V-33; SV-50	SN-33; SN-50	brown; gray; orange	PM2305D	●  #65
V-34	SN-34	green; blue; yellow	PM3101D	●  #112
V-36; SV-42	SN-36; SN-42	green; white	PM3093D	●  #104
V-43	SN-43	red; yellow	PM2276D	●  #111
V-40X	SN-40X	white; gray	PM2280DQ	●  #11
V-44	SN-44	black	PM3044D	●  #178
V-45	SN-45	black	PM2308D	●  #79
V-47	SN-47	gray	PM2306D	●  #77
V-80	SN-80 SN-16	red	PM3094D	●  #105

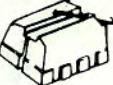
;; Drawings not to actual size.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<u><b>FOR SANSUI CARTRIDGES (CONT'D)</b></u>				
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
<u><b>FOR SANYO CARTRIDGES (ALSO FISHER)</b></u>				
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

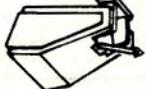
NOTE: Drawings not to actual size.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b>FOR SANYO CARTRIDGES (ALSO FISHER) (CONT'D)</b>				
-2; 42K	ST-8D	white	PM3189D	●  #184
-19	ST-09	red	PM3196D	●  #189
-3	ST-10D		2442D D-LPS	
-3	ST-12D; V-09	white; gray	PM2834D	●  #61
-5	ST-14D	blue; white	PM3204D	●  #138
	ST-G7	red	PM3195D	●  #84
-G; MG-10 710	ST-G9; ST-G10	yellow; brown; blue red	PM3095D	●  #106
	ST-G11	blue	PM3187D w/magnet	●  #106
12	ST-G12	green	PM2243D	●  #85
	ST-G13; -141	gray; red	2441D	●  #177
14	ST-G14	red	PM3194D	●  #188
-10J; MG-43	ST-10J; ST-43D ST-11D	black	PM2308D	●  #79
L5D	ST-L5D	blue; gray	PM2312D	●  #114

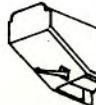
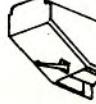
E: Drawings not to actual size.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b>FOR SANYO CARTRIDGES (ALSO FISHER) (CONT'D)</b>				
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.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b><u>FOR SANYO CARTRIDGES (ALSO FISHER) (CONT'D)</u></b>				
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	
	ST-55D Grove Inside	red	PM3012D	 #118
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	
MG-A3	ST-A3D	brown	PM2280DQ	 #11
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

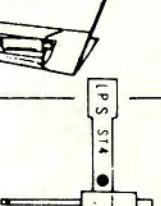
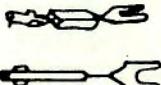
NOTE: Drawings not to actual size.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b><u>FOR SANYO CARTRIDGES (ALSO FISHER) (CONT'D)</u></b>				
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

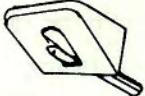
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<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
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FOR SANYO CARTRIDGES (ALSO FISHER) (CONT'D)

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

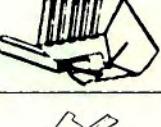
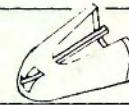
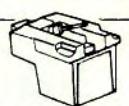
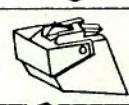
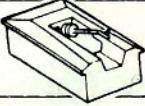
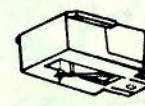
V-200	246788; 246797	lt. blue	PM4056D2		#7
370	249731; 252710	gray; blue	PM4057D2		#48
SHOWCASE (two sapphires)	253772	purple	PM4058S2		
SHOWCASE (two diamonds)	253719; 253722	yellow	PM4058D2		
SHOWCASE (one each sapphire & diamond)	253719; 253772	purple; yellow	PM4059DS2		#49

SEEBURG jukebox styli are 2 per package

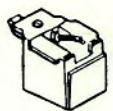
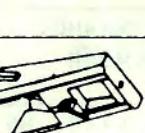
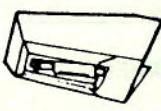
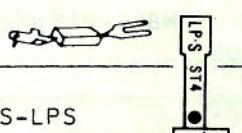
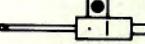
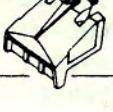
FOR SHARP CARTRIDGES

C-91D	N-05; N-06	white; gray	PM2834D		#61
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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>
<b><u>FOR SHARP CARTRIDGES (CONT'D)</u></b>				
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.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<u><b>FOR SHARP CARTRIDGES (CONT'D)</b></u>				
CART-123; CART-138	STY-123; STY-138 STY-140;-141;-142	black; gray; yellow; blue	PM2312D	 
CART-131	STY-131	white; gray	PM2315D	
CART-132	STY-132		2481D D-LPS	
CART-136	STY-136	cream	PM3050D	
CART-137	STY-137	blue	PM3049D	
	STY-145	gray	PM3051D	
CART-146	STY-146	red; gray	2440D	
	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	
PU-704	STY-704	blue; white	PM3204D	
CART-705; 4C2	STY-705; 4N2	orange; blue	PM3116D	

NOTE: Drawings not to actual size.

ORIGINAL  
CARTRIDGE #s

ORIGINAL  
NEEDLE #s

ORIGINAL  
COLORS

EVG  
NEEDLE #

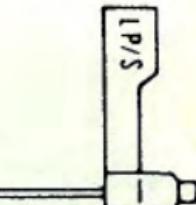
TIP/FIGURE  
STYLE

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

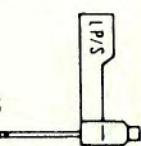
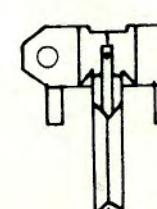
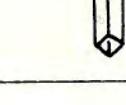
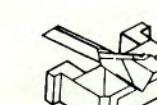
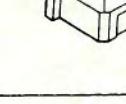
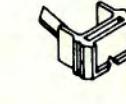
STY-751; STY-752

green; red;  
blue; white

PM2775D



#86

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b><u>FOR SHARP CARTRIDGES (CONT'D)</u></b>				
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
<b><u>SHURE CARTRIDGES</u></b>				
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	
M55E; M55EM; M80E; M80E-D; M80E-D19; AMC50E	N55E; N80E	yellow	PM3125DE	 #51
M70B; M72B	N70B; N72B	beige	PM3158D	
M70EJ; M72EJ; M110E; ME910EJ	N70EJ; N72EJ	lt. green	PM3157DE	 #55
M93E	N93E	lt. green	PM3139DE	
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	 #53

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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### 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

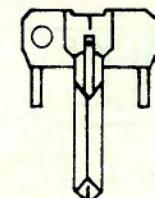
M71C; M71HCS;  
M71MC; M75CS;  
M75MC; M81MC;  
M81SC; RM930C;  
AV200C R7C;  
M74CS; M74CSM;  
M74CSZ      N71C; N75C;  
N75CM; NC71  
N74C; N74CZ      lt. blue      dk. blue;  
white      PM3143D



M71-6; M71MB; M71MBD; BT2; GT2; NB71-6;  
M73; M73G; M73MG; N75G; N75GII      beige; gray; PM3128D  
M75B Type 2; M75MB; N75G-T2;      dk. gray;  
M75MB Type 2; M75MG; N75-6;      red  
M75MG Type 2; M75MGD; N75-6 Type 2;  
M75 Type D; N75B Type 2; N91G;  
M75G & Type 2; N91GD; N92G; N6-T2  
M91; M91G; M91GD;  
M91MGD; M92G; D101MG



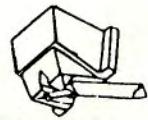
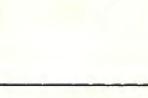
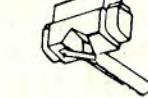
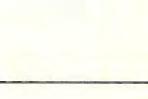
M71EB; M71EMB:  
M75ECS; M75EJ Type 2; N75EC; N75EJII      lt. green; PM3144DE  
M81CS; P4EJ; EJ-T2; NEB71;      brown  
R25EC; R47EB; N75EJ  
RM910E; A96ME; M112EJ



M75E & Type 2; RS-8T; RS-27E;  
M75E-D19 & Type 2; ED-T2; N75E;      black; PM3127DE  
M75ED Type 2 N75ED Type 2;      gray; yellow  
M75EM & Type 2; VN7; VN15E;  
M75E-P20 Type 2; N75HE; N75HEJ  
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

#52

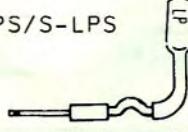
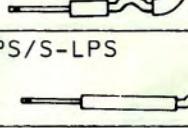
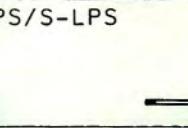
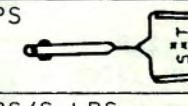
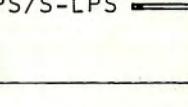
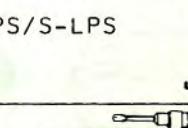
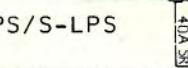
NOTE: Drawings not to actual size.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b><u>SHURE CARTRIDGES (CONT'D)</u></b>				
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

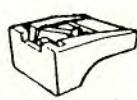
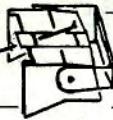
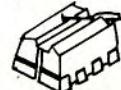
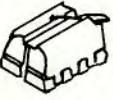
NOTE: Drawings not to actual size.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b><u>SHURE CARTRIDGES (CONT'D)</u></b>				
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	
ML120HE; ML140HE	N120HE; N140HE	black	PM3176DQ	
				#132
DESIGNER SERIES	NDC-EJ; NDC-ED; NDC-HE	black	PM3177DE	
				#133

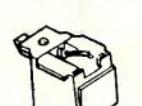
#### FOR SONOTONE CARTRIDGES

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;	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	

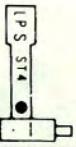
NOTE: Drawings not to actual size.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b><u>FOR SONY CARTRIDGES</u></b>				
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	●  #11
VM-25G; CD-4	ND-130G; ND-130E	white; ivory	PM2280DQ	● 

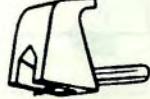
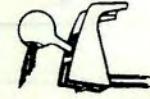
NOTE: Drawings not to actual size.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b>FOR SONY CARTRIDGES (CONT'D)</b>				
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	●  #137
VL43GS	ND-143G	blue	PM2979D	●  #82
VL-44GA	ND-144G	black; purple	PM2314DE	●  #83
VL-45G	ND-145G	gray; white	PM2315D	●  #80
VX-46P	ND-146P	white	PM2854D	●  #154
VX-52P	ND-152P	red; gray	2440D	●  #145
VL-53G	ND-153G	black	PM2318D	●  #136
VX-50	ND-50	orange	PM2881D	●  #76
VX-60G	ND-60G	red	PM2853D	●  #76
VX-70	ND-70G		2428DS D-LPS/S-LPS	●  P.S. ST170

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>
<b><u>FOR SONY CARTRIDGES (CONT'D)</u></b>				
	ND-301P		2421DS D-LPS/S-LPS	
XL-70; XL-50	ND-70X; ND-50X	red; orange	PM2866D	
VL-100	ND-100G	green	PM2843D	
VL-141G	ND-141G	wine red	PM2319D	
VX-108; VM-8GS	ND-108G	green; red	PM2775D	
XL-150	ND-150G	red	PM2878D	
XL-300G	ND-300G	orange	PM2874D	

**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	
600A	D6010; D6071A	black	PM4219D	
600E; 600EE	D6004E; D6003EE; D6; D61; D62	black	PM4208DE	
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	

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 STANTON CARTRIDGES (CONT'D)

white

PM4022D

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



#129

FOR TENOREL CARTRIDGES

T-2001D

N-2001D

white

PM2000D



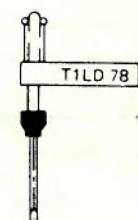
#113

FOR TETRAD CARTRIDGES

Cartridges having  
these numbers  
stamped on the  
needle handle:

10, 10S, 11, 11S, 12, 12S,  
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

3391 S-LPS/S-LPS

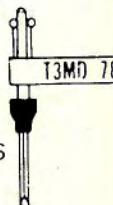


10D, 11D, 12D, 13D, 14D,  
30D, 31D, 32D, 33D, 34D,  
71D, 73D, 74D, 80D, 90D, 93D,  
110D, G0D, G1D, G2D, G3D  
T1LD, T10LD, TZ1D, TC12M6/T2MD,  
TC12MO/T20MD, TC12M1/T2MD

3391DS D-LPS/S-LPS

20, 20S, 21, 21S, 22, 22S, 23, 23S,  
40, 40S, 41, 41S, 42, 42S, 43, 43S,  
44, 44S, C0, C05, C1, C1S, C2, C2S,  
C3, C3S, E1, E1S, E2, E2S, T3MS

3393 S-LPS/S-LPS

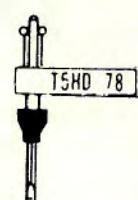


20D, 21D, 22D, 23D, 40D, 41D, 42D,  
43D, 44D, C0D, C1D, C2D, C3D, E1D,  
E2D, T3MD TC11M0/T30MD, TCHM1/T30MD

3393DS D-LPS/S-LPS

51, 51S, 52, 52S, 53, 53S,  
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

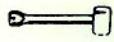
3395 S-LPS/S-LPS



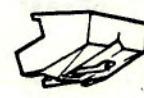
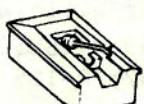
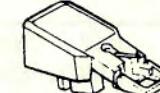
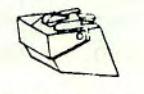
51D, 52D, 53D, 54D, 61D, 62D,  
63D, 64D, A1D, A2D, A3D, B0D,  
B1D, B2D, B3D, K1D, T5HD, T50HD, T50HS,  
TC12HO/T5HD, TC12H1/T50HD

3395DS

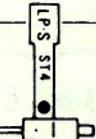
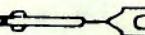
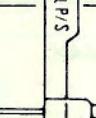
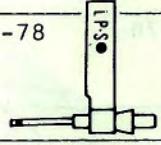
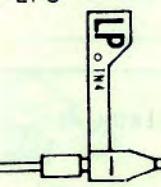
NOTE: Drawings not to actual size.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b><u>FOR THOMSON CARTRIDGES</u></b>				
STC-1000D	STC-1000, 9-058-004		2479D	D-LPS 
<b><u>FOR TOSHIBA CARTRIDGES</u></b>				
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

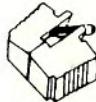
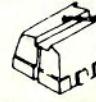
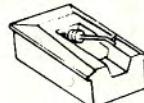
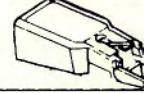
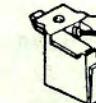
NOTE: Drawings not to actual size.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b>FOR <u>TOSHIBA CARTRIDGES (CONT'D)</u></b>				
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

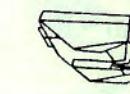
NOTE: Drawings not to actual size.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE # STYLE</u>
<b><u>FOR TOSHIBA CARTRIDGES (CONT'D)</u></b>				
C-220M	N-220M	green	PM3093D	 #104
C-210M; C-230M	N-210M; N-210C; N-210CEX	blue; red; white	PM3112D	 #84
C-250M; C-260M	N-250; N-260	green; red; black	PM2775D	 #86
MODEL GP-44F			2421DS D-LPS/S-LPS	
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	
<b><u>FOR VARCO CARTRIDGES</u></b>				
SC-501, Y201, ST-4, ST-40, STP-2 CALRAD, VARCO, VICTOR	ST-7		2829D D-LPS	
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	
TN-02, TN-02D, TN-02H, TN-2HD, TN-02M, TN-02MD	LPS-D, NT0-9-DS, LPS, TN, NT0-9-SS		3330DS D-LPS/S-78	
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,NT0-11-SS;CN-D;NT0-11-DS NT0-7-DS,-7-SS;NT0-10-7S,-10-SS; S-TN4;TN-4;TN-5;4AD;4AS;D-TN4. N5D;NT0-8-DS,-8-SS TN8D; TN8S.		3332DS D-LPS/S-LPS	

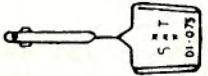
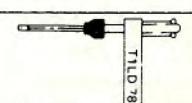
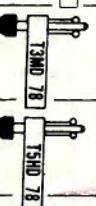
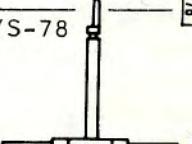
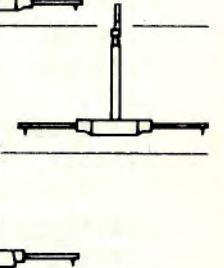
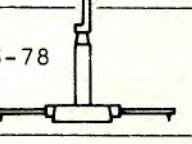
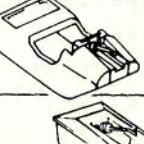
NOTE: Drawings not to actual size.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b><u>FOR YAMAHA CARTRIDGES</u></b>				
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.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b><u>FOR YAMAHA CARTRIDGES (CONT'D)</u></b>				
CG-8100	N-8100	black	PM3052D	 
GG-8300	N-8300	clear; red; gray	PM2855DE	 
<b><u>FOR ZENITH CARTRIDGES</u></b>				
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.

<u>ORIGINAL CARTRIDGE #s</u>	<u>ORIGINAL NEEDLE #s</u>	<u>ORIGINAL COLORS</u>	<u>EVG NEEDLE #</u>	<u>TIP/FIGURE STYLE</u>
<b><u>FOR ZENITH CARTRIDGES (CONT'D)</u></b>				
142-98B, 142-99B, 142-101B, 142-107B, 142-113, 142-146B, 142-147B, 142-152B, 142-153B, 142-157, 942-41	56-403B, 56-421B, 56-442, 56-442B, 56-406B 56-525		3005D D-LPS	
142-164, 142-175, 142-185, 800-330	56-560, 56-638	3391 3391DS	S-LPS/S-LPS D-LPS/S-LPS	
142-162	56-551	3393 3393DS	S-LPS/S-LPS D-LPS/S-LPS	
142-154, 142-159 142-169	56-534, 56-535, 56-590, 56-591	3395 3395DS	S-LPS/S-LPS 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.