



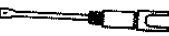
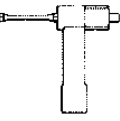
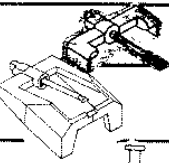







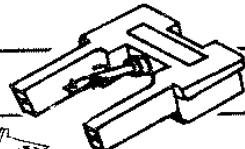






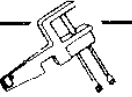









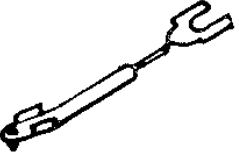



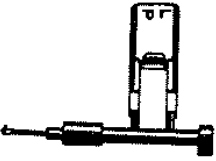
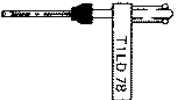


## PANASONIC (NATIONAL-MATSUSHITA-TECHNICS)

EPC-27WTFJ5, -27WTGJ5, 27WTGS5, -70LTBS,- 70LTC, -70LTC5		3000	S-LP	EPS-04LP
		3002	S-78	EPS-04SP
		3009	S-LPS	EPS-04ST
		3009D	D-LPS	EPS-04STSD
EPC-29, EPC-29TTBJ4, -29TTCJ1, -69STA, -69STC, -69STE		2829	S-LPS	EPS-04ST
		2829D	D-LPS	
EPC-01TTAD		2820D	D-LPS	EPS-05STSD
EPC-83SMAD, SC-580, SC-581		2826D	D-LPS (.7)	EPS-08, EPS-08STSD, EPS-10, EPS-10STDD, EPS-12STSD, Gray
EPC-81STBD, EPC-81STSD, EPC-95SSAD, EPC-95SSBD, ST-606		2813D	D-LPS	EPS-11
EPC-34TTAD, -34TTBD, - 34TTCD, -34TTE, -35TTA,- 35TTAD,-35TTBD,-35TTCD,- 71WTA,-71WTB		2421	S-LPS/S-78	EPS-13TT, EPS-13TTS, EPS-15TT
		2421DS	D-LPS/S-78	EPS-13TTSD, EPS-15TTSD
		2426	S-LPS/S-LPS	
		2426DS	D-LPS/S-LPS	
EPC-34STAD, EPC-34STBD, EPC-34STCD, EPC-34STC		2816D	D-LPS	EPS-14, EPS-14STSD
EPC-34STFA, EPC-34STFAD		2817	S-LPS	EPS-18ST
		2817D	D-LPS	EPS-18STSD
EPC-40 STBD		2814D	D-LPS	EPS-19
CS-1025M		2821D	D-LPS	EPS-22
EPC-95SSED		2819D	D-LPS	EPS-24, EPS-24STSD
EPC-42STAB2D, EPC-42STAD, Models: SC555A, SE850		2815D	D-LPS	EPS-25, EPS-25STSD
EPC-96SS, EPC-450C		2822D	D-LPS (.7)	EPS-28, EPS-28STSD, EPS-45STQD, Yellow
		2669D	D-LPS (.7)	EPS-30 STSD, Yellow
EPC-82SMBD Model SA-7000A		2660D	D-LPS (.7)	EPS-31STSD, White


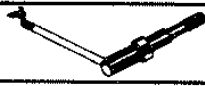




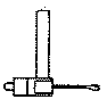



CARTRIDGE MODEL NUMBER	NEEDLE ILLUSTRATION	E-V NEEDLE NUMBER	TIP INFORMATION	NEEDLE MODEL NUMBER
<b>PANASONIC (NATIONAL-MATSUSHITA-TECHNICS) part 2</b>				
Models: SC-300N, SC-310N, SC-330N, SC-350N		2824D	D-LPS (.7)	EPS-36STSD, Red
EPC-451C, EPC-460C, EPC-460-C4		2818DQ	D-QUAD	EPS-46STQD, EPS-46STSD, EPS-451QD, EPS-465QD, Red
EPC-84SM, EPC-85SM		2825DE	D-ELL-LPS (.4 x .7)	EPS-50, EPS-50STED, EPS-51
EPC-86SMAD, EPC-87SMAD, EPC-96SSAD		2823D	D-LPS (.7)	EPS-52, EPS-52STDD, EPS-52STSD, EPS-53, EPS-53STED, EPS-56, EPS-56STED, EPS-440QD, Blue
Models: SS-3000, SS-7000A		2276D	D-LPS (.7)	EPS-82SMAD, Yellow
Model SE-210		3118D	D-LPS (.7)	N3D (Gold)
Model SC-666, SC-777		4007D	D-LPS (.7)	D1507AC-2 (Gray/Silver)
Models: SC-8600, SC-8700		4034D	D-LPS (.7)	PD07C (Gray/Silver)
Model: RD-7413		2427	S-LPS/S-78	ST-12
		2427DS	D-LPS/S-78	ST-14
U8-11, U88		2679	S-LPS/S-78	
		2679DS	D-LPS/S-78	U-11


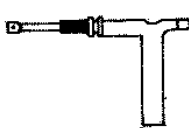



## PHILCO part 1

325-8004 325-8008 325-8009	325-8010 ✓ 325-8033 425-0013		2100	S-LP	45-9656, 45-9659, 325-0092-1, 325-8006, 325-8122, 325-8125
			2100D	D-LP	325-8126
35-2860 35-2863 325-0129	325-0130 325-2864 325-8077 325-8078		2122	S-LPS/S-78	
			2122DS	D-LPS/S-78	35-2862-1
325-1446-39 325-8077 325-8078	325-8083 325-8084		2123	S-LPS/S-78	325-8327, 325-8329SS
			2123DS	D-LPS/S-78	325-8327DS, 325-8329DS
35-2808, -1, -2, -3, 35-2824-2, 35-2825-1, 35-2851-1, 325-8036, 325-8047, 325-8047-1			2604	S-LPS	35-2810, 325-8232S
			2604D	D-LPS	325-8232, 35-2810-1
			2605	S-78	35-2810, -2, -3, 325-8233
325-8076			2619	S-LPS/S-78	325-8328
			2619DS	D-LPS/S-78	325-8299DS, 35-2858-1
35-2857-1, 35-2865-1, -2 35-2868-1, -2 325-8079	325-8080 325-8081 325-8082 325-8085		2622	S-LPS/S-78	35-2867-1, 325-8328SS
			2622DS	D-LPS/S-78	35-2858-1, 35-2867-2, 325-8328DS





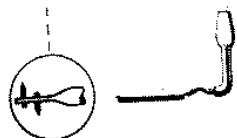
CARTRIDGE MODEL NUMBER	NEEDLE ILLUSTRATION	E-V NEEDLE NUMBER	TIP INFORMATION	NEEDLE MODEL NUMBER
<b>PHILCO part 2</b>				
45-9612, 9785, 76-4949, 76-4689, 325-8024, 425-0009, 0011, 0014, 0016		2876	S-LP/S-78	35-2693, 2704, 45-9588, 9589, 9677, 9678, 9784, 9787, 325-8177, 8178, 8230
		2876DS	D-LP/S-78	
325-8009-1 325-8012 325-8014 325-8021 325-8027, -1 325-8043 325-8052		3000	S-LP	325-8013-1, 325-8015, 325-8141, 325-8187
		3000D	D-LP	325-8142, 325-8190
		3002	S-78	325-8015;1,325-8143,325-8188
		3002D	D-78	325-8143D, 325-8188D
		3009	S-LPS	325-8253S
		3009D	D-LPS	325-8253D
325-8048 325-8049 325-8021-1 325-8058 325-8070 325-8071 325-8072		3005	S-LPS	325-8244S
		3005D	D-LPS	325-8244D
		3006	S-LP	325-8236S
		3006D	D-LP	325-8236D
		3008	S-78	325-8238, 325-8238DS
		3008D	D-78	325-8238D
325-8018 325-8034		3200	S-LP/S-LP	325-8239S, 325-8250S
		3200DS	D-LP/S-LP	325-8250DS
		3201	S-LP/S-78	325-8210,325-8019,325-8245S
		3201DS	D-LP/S-78	325-8211, 325-8245DS
325-8016 325-8066		3206	S-LP/S-78	325-8020,325-8214,325-8251S
		3206DS	D-LP/S-78	325-8215, 325-8215DD, 325-8017, 325-8251DS
325-8075		3214	S-LPS/S-78	325-8275SS, 325-8293SS
		3214DS	D-LPS/S-78	325-8275, 325-8275DS, 325-8275DD, 325-8293DS
		3215	S-LPS/S-LPS	325-8294SS
		3215DS	D-LPS/S-LPS	
35-2876-1, 35-2876-2, 35-2876-4, 35-2877-1, 35-2887-1, 35-2893-1, 35-2897-2, 325-0169		3391	S-LPS/S-78	35-2878-2, 325-8330, 325-8331
		3391DS	D-LPS/S-78	35-2878-1, 325-0170-1, 325-8330, 325-8330DS
35-2876-3, 35-2877-2, 35-2877-3, 325-1513-44		3393	S-LPS/S-78	325-1513-45, 325-8332
		3393DS	D-LPS/S-78	
35-2894-1		3395	S-LPS/S-78	
		3395DS	D-LPS/S-78	

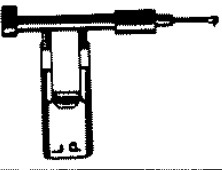
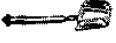
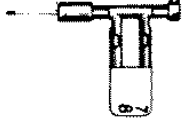


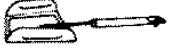


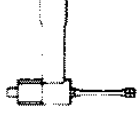

## RCA part 1

211X1, 9890, 9953, 38453, 38598, 39550, 39851, 39919, 70332, 70338, 70338A, 70339, 73551, 74067, 75976		2900	S-LP	74068, 72345, 39863
		2900D	D-LP	
75475, 75575, 75625, 76318, 77779		2902	S-LP	74818, 75497, 75770
		2902D	D-LP	77899, 75496
Stereo, RMP-200, -2, -3, -4, -6, -7, 106770A, 106771A, 106960A, 108213A, 108214A		2906	S-LPS/S-78	108214, 108214A
		2906DS	D-LPS/S-78	108800, 108215, 108215A, 108216
		2908	S-LPS/S-LPS	
		2908DS	D-LPS/S-LPS	
RMP-200-8, -9, 106770B, 106771B, 110021, 110021A, 110023, 111209, 111338, 111347, 11348, 115062, 115196, E-V 54, 133, 195		2907	S-LPS/S-78	110020, 110020A
		2907DS	D-LPS/S-78	110022, 110022A
		2909	S-LPS/S-LPS	
		2909DS	D-LPS/S-LPS	
RMP-203, 115050 115059, E-V 264		2910	S-LPS	115061
		2910D	D-LPS	
RMP-202, 115057, 115058, 118054, 118187, 118187D, E-V 263		2911	S-LPS	115060
		2911D	D-LPS	
RMP-204-1, 115276, 115277, 115302, 115303, 115346, 115347, 115703, 117330, 117331, 118055, 126316, 126317		2912	S-LPS/S-78	115328, 115329
		2912DS	D-LPS/S-78	115911, 130398
115303, 122123, RMP-204-9, 204-1C		2913	S-LPS/S-78	118197
		2913DS	D-LPS/S-78	118198
112124, 116931, 116932, 118056, 122124, RMP 204-5, -6		2914	S-LPS	118200
		2914D	D-LPS	118199
RMP-205-2 120695, 128393		2915	S-LPS/S-78	122057
		2915DS	D-LPS/S-78	

CARTRIDGE MODEL NUMBER	NEEDLE ILLUSTRATION	E-V NEEDLE NUMBER	TIP INFORMATION	NEEDLE MODEL NUMBER
<b>RCA part 2</b>				
115703, 126316, 126317, 126672, 133499, RMP 204-15, -17		2916	S-LPS	126567
		2916D	D-LPS	126566
131777, 131778, 132026, 132027, 133706, 133750, 135273, 138262		2917	S-LPS	132087, 133856
		2917D	D-LPS	131781, 133625
131777, 131779		2918	S-LPS/S-78	
		2918DS	D-LPS/S-78	131780, 133703, 133707
14820, 30708, 31050, 31156, 32256, 32632, 33122, 33217 33905, 34225, 34307, 34710, 35171, 37158, 39686, 55391, 57330, 70198, 70220, 70777, 71173, 79850, 79895	 	3800	S-LP	
		3800D	D-LP	
		3802	S-ALL	79898
		3802D	D-ALL	
		3804	M-ALL	
		3805	STEEL	


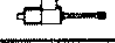


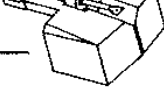



## SONOTONE part 1








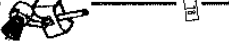
W-9980, 2T Series, 2TA Series, 5T Series, 7T Series		3200	S-LP/S-LP	
		3200DS	D-LP/S-LP	
		3201	S-LP/S-78	N2T-S, N2TA-S, N5T-S, N7T-S
		3201DS	D-LP/S-78	N2T-SD, N2TA-SD, N5T-SD, N7T-SD
		3230	S-LPS/S-78	N2T-S, N2TA-S, N5T-S, N7T-S
Vertical compliant version for playing stereo records on monophonic players.		3230DS	D-LPS/S-78	N2T-SD, N2TA-SD, N5T-SD, N7T-SD
1P Series 5P Series		3202	S-LP	N1P-1S, N1P-1D
3-T Series		3205	S-LPS/S-LP	
		3205DS	D-LP/S-LP	
		3206	S-LP/S-78	N3T-S
		3206DS	D-LP/S-78	N3T-SD
		3207	S-LPS/S-78	N3T-S
		3207DS	D-LPS/S-78	N3T-SD
Vertical compliant version for playing stereo records on monophonic players.				
8T Series		3212	S-LPS/S-78	N8T-S
		3212DS	D-LPS/S-78	N8T-SD
8TA Series		3211	S-LPS/S-LPS	N8TA-S77
		3211DS	D-LPS/S-LPS	N8TA-S77D
		3213	S-LPS/S-78	N8TA-S
		3213DS	D-LPS/S-78	N8TA-SD

CARTRIDGE MODEL NUMBER	NEEDLE ILLUSTRATION	E-V NEEDLE NUMBER	TIP INFORMATION	NEEDLE MODEL NUMBER
<b>SONOTONE part 2</b>				
9T, 9TA Series, 16T Series, 916TA Series		3214	S-LPS/S-78	N9T-S, N16T-S, N9916-S
		3214DS	D-LPS/S-78	N9T-SD, N16T-SD, N9916-SD
		3215	S-LPS/S-LPS	N9T-S77, N16T-S77, N9916-S77
		3215DS	D-LPS/S-LPS	N9T-D77, N16T-SD77, N9916-SD77
14T, 14T-S, 14TLBS, 15T, 15T-S, 15TLBS		3006	S-LP	N14TH-1S, N14T-S1, N15T-1
		3006D	D-LP	N14T-D1, N-14TH-1D, N15T-1D
		3008	S-78	N14TH-3S, N14T-S3, N15T-3S
		3008D	D-78	N14T-3D, N14TH-3D
18T Series		3220	S-LPS/S-78	N18T-S
		3220DS	D-LPS/S-78	N18T-SD
		3221	S-LPS/S-LPS	N18T-S77
		3221DS	D-LPS/S-LPS	N18T-SD7
12THR-S, 12TH-S, 12THA-S, 12THR-SD, 12THA-SD, 12THR-S77, 12TH-S77, 12THA-S77, 12TL and 12TLA Series		3222	S-LPS/S-78	N12THR-S, N12TH-S, N12THA-S
		3222DS	D-LPS/S-78	N-12THR-SD, N12THA-SD
21T, 22T, 23T, 24T, 31T, 35T, 43T Series		3224	S-LPS/S-78	N-21T-S, N-35T-S
		3224DS	D-LPS/S-78	N-21T-SD, N35T-SD
		3225	S-LPS/S-LPS	N-21T-S77, N-35T-S77
19T Series 20T Series		3226	S-LPS	N20T-7S, N19T2-7S
		3226D	D-LPS	N20T-7D, N19T2-7D
26T, 27T, 32T, 39T Series		3228	S-LPS/S-78	N-26T-S, N-27T-S
		3228DS	D-LPS/S-78	N-26T-SD, N-27T-SD
25T, 28T, 29T Series		3229	S-LPS/S-78	N-25T-S, N-28T-S
		3229DS	D-LPS/S-78	N-25T-SD, N-28T-SD
51T, 52T, 54T, 60T, 61T, 65T, 66T Series		2421	S-LPS/S-78	MS
		2421DS	D-LPS/S-78	MSD
		2426	S-LPS/S-LPS	MS77
		2426DS	D-LPS/S-LPS	MSD7
MARK V 100T-D7V 100T-D5V		3232D	D-LPS	N-100T-5D, N100T-7D



## SONY part 1

VM-25G		2276D	D-LPS (.7)	ND-129G, ND-129P, Yellow
Model: MQ-100		2280DQ	D-QUAD	ND-130E, ND-130G, White
CI-ST4		2421DS	D-LPS/S-78	ND-301P, ST-4
SC7M		2428	S-LPS/S-78	ST-16
		2428DS	D-LPS/S-78	ST-17D
NS-12, VM-21P, VM-22G, VM-22P, VM-24P, VM-26G, VM-1200 G		2472D	D-LPS (.7)	ND-124P, ND-125G, ND-125P, ND-126G, ND-131G, ND-132G, ND-132GA, Red
VX-23P		2650D	D-LPS (.7)	ND-127D, ND-127P, Red
VM-10P		2662D	D-LPS (.7)	ND-114P, Yellow
VX-12P, VX-13P		2829D	D-LPS	NS-116P
		3009D	D-LPS	
VM-9P		2834D	D-LPS (.7)	ND-113P, White

CARTRIDGE MODEL NUMBER	NEEDLE ILLUSTRATION	E-V NEEDLE NUMBER	TIP INFORMATION	NEEDLE MODEL NUMBER
<b>SONY part 2</b>				
VX-17P, VX-18P		2836D	D-LPS	ND-119P, ND-120P, NS-119P, Red or Green
VM-11G, VM-15P		2837D	D-LPS (.7)	ND-115G, ND-115P, ND-117P
VM-19P		2838D	D-LPS (.7)	ND-121P
VC-8E		2839D	D-LPS (.7)	ND-107P, ND-108E, ND-111E, ND-112G, Silver
		2840D	D-LPS (.7)	ND-133G
VX-24P		3080D	D-LPS (.7)	ND-128P, NS-128P
2-AID-BSR37		3395DS	D-LPS/S-78	AID.
V15/AT-3		4027D	D-LPS (.7)	D1507AT-3, Gray