


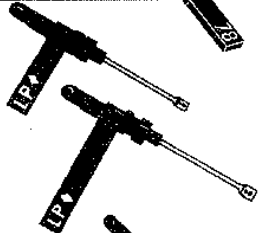


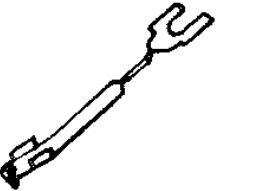


# ASTATIC part 1


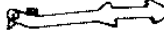
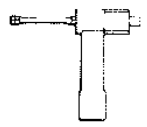



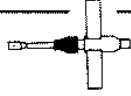
AC, ACD Series 40, 41, 42, 62-1, 90, 112TS, TJB, TJS Series (Admiral 409A16) (RCA 76257, 988370-2)		2100	S-LP	A-1, J or M, N27-1, M or S
		2100D	D-LP	A-1 (X), N27-1D
		2101	S-ALL	A-AG, J or M, N27-2, M, S, or D
GC Series, 51, 53 59 Series, 402, 402M (RCA 74984, 76297) (Sonotone 7590 Series)		2106	S-LP	G, J or M, N29-1, M or S
		2106D	D-LP	G-X, N29-1D
		2107	S-ALL	N29-2, N29-3, M, S or D
GCD, 53T, 55T, 409 (Zenith 56-360)		2109DS	D-LP/S-78	N30D, N30SD
62-1, 64, 66, 68 Series 405, 406 (Zenith 56-353, 354)		2110	S-LP	K, J, or M, N31-1M or S
		2110D	D-LP	N31-1D
		2111	S-ALL	K-AG, J or M, N31-2, M, S, or D
57-T, 21P488, 543 (Used in WEBCOR Only)		2113DS	D-LP/S-78	N38D, N38SD
CAC, CO, LQD, QT Series 36, 38, 44, 46, 48, 62T Series 403, 430 14L3, 15L3 (Magnavox 560052)		2114D	D-LP	N34-1D, Q-33X
17, 17A, 17D, 135DA, 217D GE EA97X155		2117	S-LPS/S-78	N41
		2117DS	D-LPS/S-78	N41SD, N41D
		2118	S-LPS/S-LPS	N42
15, 15D, 45D Rockola Coin Phonos		2119	S-LPS	N43-7S
		2119D	D-LPS	N43-7D, N45-7D
133, 133D, 137, 137D, 139D, 192, 233D, 233DE, 237D, 459, 459D, 483, 483D, 485D, 497, 497D		2120	S-LPS/S-78	N50
		2120DS	D-LPS/S-78	N50SD
		2121	S-LPS/S-LPS	N51, N63
		2121DS	D-LPS/S-LPS	N51, N51D
153, 153A, 153D, 153R, 153RD, 155D, 157, 157A, 157D, 157R, 157RD, 257D, 341, 341D, 343, 343D, 345, 345D, 461, 461D, 465D, 479D, 481, 481D, 499, 499D		2122	S-LPS/S-78	N56, N58
		2122DS	D-LPS/S-78	N56SD, N58SD
138, 138D, 140, 140D, 140RD, 142, 142D, 142R, 142RD, 146, 146D, 148, 148D, 217, 217D, 233, 233D, 253, 496		2123	S-LPS/S-78	N60, N62, N68, N70, N72
		2123DS	D-LPS/S-78	N60SD, N62SD, N68SD, N70SD, N72SD
445, 445D, 447	 SHORT LONG	2124	S-LP/S-78	N52, N53
445, 455D, 457, 463, 463D		2124DS	D-LP/S-78	N52SD, N53SD
		2125	S-LP/S-78	N54, N55
167, 167D, 169, 169D, 181D, 183D, 187D, 281D		2125DS	D-LP/S-78	N54SD, N55D
		2126	S-LPS/S-78	N64, N66
146-1, 146-7, 148-7 346, 348, 602		2126DS	D-LPS/S-78	N64SD, N66SD
		2127	S-LPS	N76, N76-7S
379, 379D, 381, 381D, 383, 383D, 615D, 621D, 623D, 625D		2127D	D-LPS	N76D
		2128	S-LPS/S-78	N79
		2128DS	D-LPS/S-78	N79SD

## ASTATIC part 2


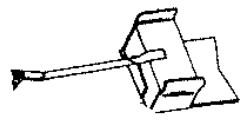





361D, 363D, 365D, 367, 367D, 369D, 371, 371D, 373, 375D, 377D, 385, 385D, 387D, 389D, 391, 391D, 395, 395D, 397, 397D, 605, 605D, 629, 629D		2129	S-LPS/S-78	N81
		2129DS	D-LPS/S-78	N81SD
163, 163D, 165D, 271D, 273D, 275D, 349D, 351D, 353, 353D, 355, 355D, 613, 613D, 665, 665D		2130	S-LPS/S-78	N74, N83, N84
		2130DS	D-LPS/S-78	N74SD, N83SD, N84SD
359, 393, 393D, 399D, 607D, 617D, 619D, 627D		2131	S-LPS/S-78	N85
		2131DS	D-LPS/S-78	N85SD
215, 215D Wurlitzer #133352		2132	S-LPS/S-78	N14
207, 207D		2132DS	D-LPS/S-78	N14SD
		2133	S-LPS/S-78	N17
223, 223D		2133DS	D-LPS/S-78	N17SD
		2134	S-LPS/S-78	N19
2134DS		D-LPS/S-78	N19SD	
201D, 205D, 209, 209D, 211, 211D		2135	S-LPS/S-78	N89, N93
		2135DS	D-LPS/S-78	N89SD, N93SD
213D		2136	S-LPS/S-78	N91
		2136DS	D-LPS/S-78	N91SD
118, 120, 124 310, 312, 414, 416, 420 422, 424, 426 Series, 609 Order & File under RONETTE.  Needles are identical. 70TS, 74TS, 76TS, 76TB, 80TS, 86TS-TB		3000	S-LP	N8-1S
		3000D	D-LP	N8-1D
		3001	S-ALL	N8-2S
		3001D	D-ALL	N8-2D
		3002	S-78	N8-3S
		3002D	D-78	N8-3D
		3009	S-LPS	N7-7S, N8-7S
		3009D	D-LPS	N7-7D, N8-7D

ASTATIC CARTRIDGES using Conventional (Set screw) Needles: B-1, 2, 3, 4; L-10, 12, 18, 22, 24, 25, 26, 27, 29, 32, 36, 40, 41, 46, 50, 70, 71, 72, 73, 74, 75, 76, 78, 80, 82, 92; M-22, 23, 40. New Nos. 2, 4, 6, 12, 16, 18, 22, 24, 26, 28, 32, 34, 40, 106, 401, 407.


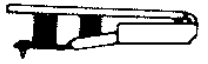

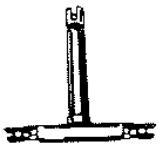







## BSR (FULL-FI)

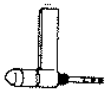
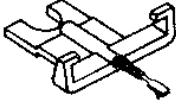
TC8H, TC8M, TC8S, TC8SH Birmingham Sound Reproducers		3009	S-LPS	TC8R, TC8RS
		3009D	D-LPS	TC8ST, TC8RD
		3002	S-78	TC8G
TC-12		2422D	D-LPS	TC-12D
C-1, SC5H, SX1H, SX1M, SX2H, SX5H, SX5M, X1H, X1HE, X1M, X2HE, X3H, X3M, X4H, X5H, X5M		2421	S-LPS/S-78	ST-3, ST-5
		2421DS	D-LPS/S-78	ST-4, ST-6
		2426	S-LPS/S-LPS	
		2426DS	D-LPS/S-LPS	
SC5H, SX1H, SX1M, SX2H, SX5H, SX5M, X1H, X1HE, X1M, X2HE, X3H, X3M, X4H, X5H, X5M (Old)	All Plastic Needle 	2424	S-LPS/S-78	ST-8
		2424DS	D-LPS/S-78	ST-9, ST-9D
		2425	S-LPS/S-LPS	ST-10
		2425DS	D-LPS/S-LPS	ST-10
SC5M, SX6H, SX6M, X4M, X5M (New) Rubber Coupled		2427	S-LPS/S-78	ST-12, ST-15
		2427DS	D-LPS/S-78	ST-14, ST-14D, ST-15, ST-19;D
		2430	S-LPS	ST-22
SC7H, SC7M, SC7MI, SC7M2, SC7M3, SC7M4, SC8H1, SC8H2, SC8H3, SC8H4, SC8M1, SC10H, SC10U-2, SC12H-1, SC12H-2		2428	S-LPS/S-78	ST-16
		2428DS	D-LPS/S-78	ST-17, ST-17D
SC8H1, SC10H, SC10U-2		2429	S-LPS	ST-20
		2429D	D-LPS	ST-21, ST-21D

# EUPHONICS

E-1, E-2, E-3, E-4, M-1, Series		2675	S-LPS	180
		2675D	D-LPS	181
		2676	S-78	182
U-1, U-2, U-4, U-5 Series		2677	S-LPS	214
		2677D	D-LPS	216
		2678	S-78	215
		2678D	D-78	215
U-8, U-10, U-88 Series U-9, U-11, U-89, U-98 Series		2679	S-LPS/S-78	253, 255
		2679DS	D-LPS/S-78	254, 256
		2680	S-LPS/S-LPS	
U-12, U-13 Series Admiral 409C65		2681	S-LPS/S-78	371
		2681DS	D-LPS/S-78	372
U-15, U-17 Series U-19-14, U-21 Series		2682	S-LPS/S-78	509, 510, 511, 512, 551, 601
		2682DS	D-LPS/S-78	508, 530, 552
U8RB, U10RB		2683	S-LPS/S-78	253B, 255B, 374
U9RB, U11RB, U11-3RLB		2683DS	D-LPS/S-78	254B, 254BE, 256B, 375
U-14, U-15, U-16, U-17, U-18, U-19 Series (Single Tip Needle)		2684	S-LPS	506, 507
		2684D	D-LPS	513

GE page1



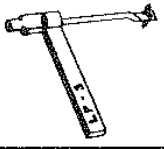



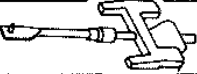
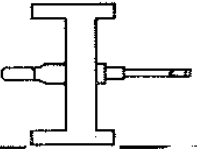



RPX-040, 41, 42, 46, 61 63 and 9D		2725D	D-LP	RPJ-004
RPX-040A, 41A, 42A, 47A, 50A, 51A, 52A, 53A, 61A, 63A, 145, 146, 147, C13S, Old RPX Series will clip in Holder. UPX-11 Head		2728	S-LP	RPJ-01S
		2728D	D-LP	RPJ-01D
		2729	S-78	RPJ-03S
		2729D	D-78	RPJ-03D, RPJ-02D
Vertical compliant version for playing stereo records on monophonic players. RPX Series		2745	S-LPS	RPJ-01S
		2745D	D-LPS	RPJ-01D
		2745DP	D-LPS	Professional
RPX-040A, 41A, 047, 048, 50, 53A, 61A, 63A, 12D, 145, 146, 147, UPX-11 Head		2731	S-LP/S-LP	
		2731DS	D-LP/S-LP	
		2732	S-LP/S-78	RPJ-010A, -011A, -012A, -013A
		2732DS	D-LP/S-78	RPJ-010A, -011A, -012A, -013A
New VR-11 Series. 4G-040, 41, 50, 52, 53, 61, 63, 4GS-, 01D, 02D, 01D-02D, 01D-02S, 01S, 02S, 01S-02S. Fits this series only. Not interchangeable with earlier type.		2733	S-LP	4G-01S
		2733D	D-LP	4G-01D
		2735	S-78	4G-03S
		2735D	D-78	4G-03D
Vertical compliant version for playing stereo records on monophonic players. VR-11 Series		2746	S-LPS	4G-01S, 4GS-7S
		2746D	D-LPS	4G-01D, 4GS-7D
		2746DP	D-LPS	Professional, 4GS, 7D
VR-11 Series "T" Bar using Needles 2735 and either 2746 or 2746D. Also 2746D and 2735D.		2748	S-LPS/S-78	
		2748DS	D-LPS/S-78	
Stereo GC-7, CL-7, GC-5		2736D	D-LPS	ST-7D, VR-222, VR-223, 22S-7D
VR-22 Series VR-227, VR-225		2738D	D-LPS	VR-221, 22S-5D, ST-5D
C-100, EA97X250 RS3824 C-100A, C-200, C-400, C-450, EA97X497, EA97X569, RS4694		2739	S-LPS/S-78	RS4154
		2739DS	D-LPS/S-78	EA1004, EA97X216, EA97X248, EA97X249, EA97X561, EA97X572, RS3825, RS4413, RS4634, TA-1
		2740	S-LPS/S-LPS	
		2740DS	D-LPS/S-LPS	TA-2
VR-1000-7		2743D	D-LPS (.7)	DR-7D, White
VR-1000-5		2750D	D-LPS (.5)	DR-5D, White
VR-1000-3		2751DE	D-ELL-LPS (.3 x .7)	DR-3D, White

CARTRIDGE MODEL NUMBER	NEEDLE ILLUSTRATION	E-V NEEDLE NUMBER	TIP INFORMATION	NEEDLE MODEL NUMBER
<b>GE part 2</b>				
C-50, C-500, C-600, C-650, EA80X165, EA80X209, RS6527, EA80X234, RS6770, EA1013		2744	S-LPS/S-78	EA1014, EA2055, EA2060, EA2903, EA80X166, EA80X235, EA80X324, EA80X405, EA80X481, RS6528
C-660, EA2223, EA80X431		2744DS	D-LPS/S-78	
C-660, EA2223, EA80X431		2752	S-LPS	
		2752D	D-LPS	EA2224, EA80X432

**MAGNAVOX-COLLARO part 2**

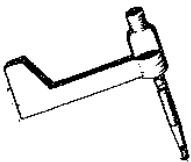

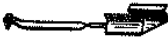



CARTRIDGE MODEL NUMBER	NEEDLE ILLUSTRATION	E-V NEEDLE NUMBER	TIP INFORMATION	NEEDLE MODEL NUMBER
560296-7, -8		2677	S-LPS	560299-2
		2677D	D-LPS	
		2678	S-78	560299-4
		2678D	D-78	
560324, -2		2679	S-LPS/S-78	560331-3
		2679DS	D-LPS/S-78	
560133, -4, -5 560151, -4, -5, -6, -8, -9, -12 560158, -2, -3 560169, -1 560170, -1		2810	S-LP/S-78	560138, 560153 560157, 560167 560167-1, 560157-2
		2810DS	D-LP/S-78	
		2811DS	D-LP/S-LP	
560180-3, 560209-1, -2 560236-1 560288-1, -2		3000	S-LP	560183-1; 560210-1
		3000D	D-LP	560190-1
		3002	S-78	560182-1, 560211-1
		3002D	D-78	
		3009	S-LPS	560289-2
		3009D	D-LPS	
560277-1, -2		3005	S-LPS	560285-2
		3005D	D-LPS	560283-2
		3008	S-78	560284-2
		3008D	D-78	
560212-1, 560213-2 560216-1, 560217-2		3109	S-LP/S-78	560184-1
		3109DS	D-LP/S-78	560187-2
560214-1, 560215-2 560218-1, 560219-2		3110	S-LP/S-78	560208-1
		3110DS	D-LP/S-78	560193-1
560224-1, 560225-1 560228-1, -2		3201	S-LP/S-78	560191-2
		3201DS	D-LP/S-78	560200-1
560246-2, 560247-1 560259-1		3213	S-LP/S-78	560244-2
		3213DS	D-LPS/S-78	560245-4
560389-1		3391	S-LPS/S-78	
		3391DS	D-LPS/S-78	

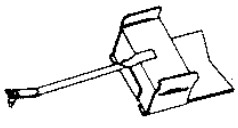
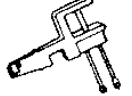
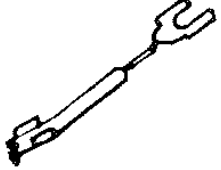
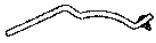
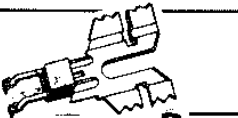



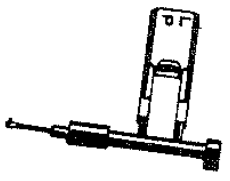
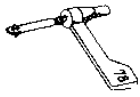

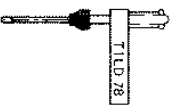


## MAGNAVOX-COLLARO part 1

560355-1, -2		2130	S-LPS/S-78	
		2130DS	D-LPS/S-78	560354-2
560232, -2, -X 560233, -1, -2, -3, -4 560250, -3, 560290, -1, -3 560296, -1, -2, -3, -4		2604	S-LPS	560234-3, 560234-4
		2604D	D-LPS	560234-1, 560234-2
		2605	S-78	560235-1, 560235-2
560305, -1, -2 560307, -1, -2, -3		2619	S-LPS/S-78	560306-1, -3
		2619DS	D-LPS/S-78	560306-2, 560308-1
		2622	S-LPS/S-78	560312-1, 560339-1
		2622DS	D-LPS/S-78	560312-2, 560339-2
560345, -2 (Early Models) 560350, -2		2624	S-LPS/S-78	(Short Tail)
		2624DS	D-LPS/S-78	(Short Tail)
560345-1, -2 (Late Models) 560350-1, -2, 560355, 560337-1, 560384-1, 560384-2		2644	S-LPS/S-78	(Long Tail)
		2644DS	D-LPS/S-78	560344-2 (Long Tail)
560360, -2 560389; -1; -3; -4		2625	S-LPS/S-78	
		2625DS	D-LPS/S-78	560359-1
560348-1, 560353-1		2640	S-LPS	560352-2, 560366-2
		2640D	D-LPS	
560346-1 560347-1		2647D	D-LPS	560336; -1, -2
560356-1; -2		2669D	D-LPS (.7)	560349-1, Yellow
560369-1		2671D	D-LPS (.7)	560371-1, 560371-2, Red
560275-1, -2 560281-1, -4		2675	S-LPS	560273-2
		2675D	D-LPS	
		2676	S-78	560274-2



## MOTOROLA part 1

59C61496A01 59C62432A01		2120	S-LPS/S-78	92-148SS, 59C61946A03
		2120DS	D-LPS/S-78	92-148DS, 59C61496A04
		2121	S-LPS/S-LPS	
		2121DS	D-LPS/S-LPS	
59C62945A01		2123	S-LPS/S-78	92-150SS
		2123DS	D-LPS/S-78	
59C643220 59C643221 59K643335		2604	S-LPS	92-289S7, 47K643151
		2604D	D-LPS	92-289D7, 47K643150
		2605	S-78	92-289S3, 47K643152
59C61640A01, 59C62077A01, 59C61640A03, 59C62077A03		2616	S-LPS/S-78	59C61640A02, 59C61640A04, 59C62077A02, 59C62954A02
		2616DS	D-LPS/S-78	92-294DS, 59C61640A05
56C63211A01		2623	S-LPS/S-78	
		2623DS	D-LPS/S-78	
59C60335A01, 59C60335A02, 59C60336A01, 59C60336A02		2675	S-LPS	92-387S7, 59C60336A04
		2675D	D-LPS	92-387D7, 59C60336A05
		2676	S-78	92-387S3, 92-387D3, 59C60336A03

CARTRIDGE MODEL NUMBER	NEEDLE ILLUSTRATION	E-V NEEDLE NUMBER	TIP INFORMATION	NEEDLE MODEL NUMBER
<b>MOTOROLA part 2</b>				
59C61100A01, 59C61100A05, 59C61270A01		2677	S-LPS	92-388S7, 59C61100A03
		2677D	D-LPS	92-388D7, 59C61100A04
		2678	S-78	92-388S3, 59C61100A02
		2678D	D-78	92-388DS
59C62266A01 59C62266A05		2679	S-LPS/S-78	92-389SS, 92-390SS, 59C62266A03
		2679DS	D-LPS/S-78	92-389DS, 92-390DS, 59C62266A04
59P60015A03 59P61619A01 59B638903		3000	S-LP	92-143S1, 59C61619A03
		3000D	D-LP	92-143D1, 47P60000A18
		3002	S-78	92-143S3, 59C60918A03, 59C61619A02
		3002D	D-78	92-143D3
59C60918A01		3009	S-LPS	92-143S7, 92-144S7, 47P60015A01
		3009D	D-LPS	92-143D7, 92-144D7, 47C60015A09
59B591430, 59C471595		3106	S-ALL	92-554S2, 92-554S1, 92-544D1, 59K691908
59B632855		3109	S-LP/S-78	92-552SM, 92-552SS, 47P60009A17, 47K632856
		3109DS	D-LPS/S-78	92-552DS, 47P60009A16
59B634441		3200	S-LP/S-LP	92-702SS
		3201	S-LP/S-78	92-700SS, 92-701SS, 47K632185
		3201DS	D-LP/S-78	92-700DS, 92-701DS, 47K639290
59B636635, 59K636834		3206	S-LP/S-78	92-704SS, 47K642560, 66T642560
		3206DS	D-LP/S-78	92-704DS, 47K636636
59C645700, 59C645701		3213	S-LPS/S-78	92-706SS, 47K645703
		3213DS	D-LPS/S-78	92-706DS, 47K645702
59C60337A01, 59C60337A02 59D60872A01, 59D60872A02 59D62271A01		3214	S-LPS/S-78	92-707SS, 92-712SS, 59D60872A03
		3214DS	D-LPS/S-78	92-707DS, 92-712DS, 59D60872A04
		3215	S-LPS/S-LPS	92-708SS, 92-709SS, 59D62271A02
		3215DS	D-LPS/S-LPS	92-708DS, 59C62271A02
59C61150B01, 59C6127B01		3331	S-LPS/S-78	92-827SS
		3331DS	D-LPS/S-78	92-827DS
		3333	S-LPS/S-LPS	
		3333DS	D-LPS/S-LPS	
59C61519B01		3332	S-LPS/S-78	92-828SS
		3332DS	D-LPS/S-78	92-828DS
59C60615B01, 59C61182B03, 59C62971A01, 59C63643A01, 59C63643A04, 59C63643A05, 59C63643A06, 59C63643A07, 59C63784A01, 59C63784A03		3391	S-LPS/S-78	92-810SS, 92-812SS, 59-62971A03, 59C63643A03
		3391DS	D-LPS/S-78	92-810DS, 92-812DS, 59C63643A02
59C62971A02, 59C63816A01		3393	S-LPS/S-78	92-811SS
		3393DS	D-LPS/S-78	92-811DS, 59C62971A04
59C60459B01, 59C60868B01		3395	S-LPS/S-78	
		3395DS	D-LPS/S-78	