

## Part and Documentation List Index

For a listing of selected parts choose the appropriate control system from the selection group below.



[Acramatic® 2100 Part Number Information](#)

[A2100 Documentation List](#)



[Acramatic® CNC - "Big Blue" Part Number Information](#)



[For VSx, VCX, and PLASTICS Part Number Information](#)

[Acramatic® 2100D Part Number Information](#)

[Miscellaneous Machine Tool Documentation](#)

[Miscellaneous Plastics Documentation](#)

[Acramatic® 900 Part Number Information](#)



[Acramatic® 850 & 850SX Part Number Information](#)

[Acramatic® 950 Part Number Information](#)

## A2100 Analog Part Listing

|   |   |                                  |
|---|---|----------------------------------|
| <a href="#">Operator Station Assembly "OSA"</a>       | <a href="#">Processor Control Assembly "PCA"</a>    | <a href="#">Panel Assemblies</a> |
| <a href="#">Pendant Assemblies (Machining Center)</a> | <a href="#">Pendant Assemblies (Turning Center)</a> | <a href="#">I/O</a>              |
| <a href="#">WSCPU VGA/CRT</a>                         | <a href="#">WSCPU LVDS</a>                          | <a href="#">RTCPU</a>            |
| <a href="#">Hard Drive Assemblies</a>                 | <a href="#">Misc Cables</a>                         | <a href="#">Other Assemblies</a> |

| Part Number   | Operator Station Assembly "OSA"                                       | NOTES  |
|---------------|---|--|
| 3-424-2130A   | Operator Station Assembly - CRT                                       | Superseded by 3-424-2130A01                          |
| 3-424-2130A01 | Operator Station Assembly - CRT w/filter & pots                       |  |
| 3-424-2130A02 | Operator Station Assembly - CRT without filter                        | Republic Lagun                                       |
| 3-424-2202A   | Operator Station Assembly - Flat Panel                                | Superseded by 3-424-2202A01                          |
| 3-424-2202A01 | Operator Station Assembly - Flat Panel                                |  |
| 3-525-0998A   | CNC/KTI Keyboard Assembly   | FRU for CRT version only                             |
| 3-711-2732G   | E-Stop switch   |  |
| 3-711-2756G   | E-Stop blank cover  |  |
|               |   |  |
|               | Processor Control Assembly "PCA"                                      |  |
| 3-542-1217A   | Basic Bridge Board  | Superseded by 3-542-1260A                            |
| 3-542-1260A   | Basic Bridge Board  | Superseded by 3-542-1357A                            |
| 3-542-1357A   | Basic Bridge Board  |  |
| 3-542-1432A   | Basic Bridge Board (14 Axis system use with HIPI & 2126A01 PCA)       | Retrofit Part  |
| 3-424-2138A   | Power Supply Assembly   | Superseded by 3-424-2138A02                          |
| 3-424-2138A02 | Power Supply Assembly   |  |
|               |   |  |
|               | WSCPU VGA/CRT   |  |
| 3-424-2123A   | WSCPU _ DX2-66 16MB Intel Entrada                                     | DNE Only - Purchase 3-424-2374A03                    |
| 3-424-2123A01 | WSCPU _ P5-75 16MB Intel Morrison                                     | DNE Only - Purchase 3-424-2374A03                    |
| 3-424-2123A02 | WSCPU _ 5x86-133 16MB Forcom-CRT                                      | DNE Only - Purchase 3-424-2374A03                    |
| 3-424-2123A03 | WSCPU _ P5-75 16MB Intel Rhine,MACH,                                  | DNE Only - Purchase 3-424-2374A03                    |
| 3-424-2162A   | WSCPU _ 5x86-133 32MB Forcom-CRT (Field Upgrade to 32MB only)         | DNE Only - Purchase 3-424-2374A03                    |
| 3-424-2162A01 | WSCPU P5-75 32MB Intel Morrison - CRT (Field 32 MB only)              | DNE Only - Purchase 3-424-2374A03                    |
| 3-424-2162A03 | WSCPU P5-75 32MB Intel Rhin, MACH, CRT (Field 32 MB only)             | DNE Only - Purchase 3-424-2374A03                    |
| 3-424-2164A   | WSCPU _ P5-133 32MB Intel Rhine,MACH,                                 | DNE Only - Purchase 3-424-2374A03                    |
| 3-424-2164A01 | WSCPU _ P5-133 32MB Intel Rhine,CRT,ATI264, USB (Analog & Digital)    | DNE Only - Purchase 3-424-2374A03                    |
| 3-424-2165A   | WSCPU _ P5-200 96MB Intel Rhine,CRT,ATI264, USB                       | DNE Only - Purchase 3-424-2374A03                    |
| 3-424-2257A   | WSCPU _ P5-100 & 133 32MB Intel Rhine,CRT                             | DNE Only - Purchase 3-424-2374A03                    |
| 3-424-2374A01 | WSCPU K6/2-333 128MB Amer. Pred VGA/CRT / 18.1 (needs at least R2.34) | DNE Only - Purchase 3-424-2374A03                    |
| 3-424-2374A03 | WSCPU K6/2-333 128MB VGA/CRT  | Needs at least R2.34 - Needs NT 4.0 and Video Driver |

|               |  |   |
|---------------|--|---|
|               |  |   |
|               | WSCPU LVDS   |   |
| 3-424-2276A   | WSCPU _ 5x86-133 16MB Forcom,LCD CMOS  | DNE Only - Purchase 3-424-2283A02/3-424-2290A02/3-424-2374A02 |
| 3-424-2283A   | WSCPU _ P5-100 & 133 32MB Intel Rhin,LCD, ATI264   | DNE Only - Purchase 3-424-2283A02/3-424-2290A02/3-424-2374A02 |
| 3-424-2283A01 | WSCPU _ P5-133 32MB Intel Rhine,LCD,ATI264, USB (Analog & Digital)                                 | DNE Only - Purchase 3-424-2283A02/3-424-2290A02/3-424-2374A02 |
| 3-424-2283A02 | WSCPU _ P5-200 32MB Smart, LCD,ATI264,USB (needs at least R2.34) Std for R3                        | Superseded by 3-424-2290A02                                   |
| 3-424-2289A   | WSCPU _ 5x86-133 32MB Forcom,LCD CMOS  | DNE Only - Purchase 3-424-2283A02/3-424-2290A02/3-424-2374A02 |
| 3-424-2290A   | WSCPU _ P5-200 96MB Intel Rhine,LCD,ATI264, USB  | DNE Only - Purchase 3-424-2283A02/3-424-2290A02/3-424-2374A02 |
| 3-424-2290A02 | WSCPU _ P5-200 64MB Smart, LVDS, LCD, C&T (needs at least R2.34) Std for R4                        | Superseded by 3-424-2374A02                                   |
| 3-424-2374A02 | WSCPU _ K6/2-333 128 MB Smart, LVDS, LCD, C&T (needs at least R2.34) High performance for R3 / R4. |   |
|               |  |   |
|               | RTCPU  |   |
| 3-424-2124A   | RTCPU Assy _ DX-33Mhz 4MB Micronics  | DNE Only - Purchase 3-424-2400A01                             |
| 3-424-2168A   | RTCPU Assy _ DX2-66Mhz 4MB Micronics   | DNE Only - Purchase 3-424-2400A01                             |
| 3-424-2168A01 | RTCPU Assy _ DX2-80Mhz 4MB FIC   | DNE Only - Purchase 3-424-2400A01                             |
| 3-424-2168A02 | RTCPU Assy _ DX2-80Mhz or DX4-100Mhz 4MB DFI   | DNE Only - Purchase 3-424-2400A01                             |
| 3-424-2168A03 | RTCPU Assy _ DX2-80Mhz or DX4-100Mhz 4MB DFI   | DNE Only - Purchase 3-424-2400A02                             |
| 3-424-2169A01 | RTCPU Assy _ DX2-80Mhz or DX4-100Mhz 4MB DFI   | DNE Only - Purchase 3-424-2400A01                             |
| 3-424-2169A02 | RTCPU Assy _ DX2-80Mhz or DX4-100Mhz 8MB DFI   | DNE Only - Purchase 3-424-2400A01                             |
| 3-424-2169A03 | RTCPU Assy _ DX2-80Mhz or DX4-100Mhz 8MB DFI w/com ports "NEXT"                                    | DNE Only - Purchase 3-424-2400A02                             |
| 3-424-2171A   | RTCPU Assy _ P5-90Mhz 8MB Intel Plato  | DNE Only - Purchase 3-424-2400A01                             |
| 3-424-2171A01 | RTCPU Assy _ P5-90Mhz 8MB Intel Zappa,Radisys  | DNE Only - Purchase 3-424-2400A01                             |
| 3-424-2171A02 | RTCPU Assy _ P5-90Mhz 8MB Intel Zappa,Radisys w/com ports "NEXT"                                   | DNE Only - Purchase 3-424-2400A02                             |
| 3-424-2172A   | RTCPU Assy _ P5-90Mhz 16MB Intel Plato   | DNE Only - Purchase 3-424-2400A01                             |
| 3-424-2172A01 | RTCPU Assy _ P5-90Mhz 16MB Intel Zappa,Radisys   | DNE Only - Purchase 3-424-2400A01                             |
| 3-424-2172A02 | RTCPU Assy _ P5-90Mhz 16MB Intel Zappa,Radisys w/com ports "NEXT"                                  | DNE Only - Purchase 3-424-2400A02                             |
| 3-424-2256A   | RTCPU Assy _ P5-166Mhz 8MB Zap,Rad   | DNE Only - Purchase 3-424-2400A01                             |
| 3-424-2293A   | RTCPU Assy _ P5-166Mhz 16MB Zap,Rad  | DNE Only - Purchase 3-424-2400A01                             |
| 3-424-2310A   | RTCPU Assy _ P5-166Mhz 8MB Intel Zappa,Radisys (Digital)   | DNE Only - Purchase 3-424-2400A01                             |
| 3-424-2312A   | RTCPU Assy _ P5-166Mhz 16MB Intel Zappa, Radisys (Digital)   | DNE Only - Purchase 3-424-2400A01                             |
| 3-424-2347A01 | RTCPU Assy _ P5-166Mhz 8MB Intel Zappa Radisys (Analog) (High performance - Tool & Die)            | DNE Only - Purchase 3-424-2400A01                             |
| 3-424-2347A02 | RTCPU Assy _ P5-166Mhz 8MB Intel Zappa Radisys "Next" (High performance - Tool & Die)              | DNE Only - Purchase 3-424-2400A02                             |
| 3-424-2348A01 | RTCPU Assy _ P5-166Mhz 16MB Intel Zappa, Radisys (Analog) (High performance - Tool & Die)          | DNE Only - Purchase 3-424-2400A01                             |

|               |   |                                   |
|---------------|---|-----------------------------------|
| 3-424-2348A02 | RTCPU Assy _ P5-166Mhz 16MB Intel Zappa, Radisys (Analog) (High performance - Tool & Die) | DNE Only - Purchase 3-424-2400A02 |
| 3-424-2379A01 | RTCPU, K6-2/333/16MB  |                                   |
| 3-424-2379A02 | RTCPU, K6-2/333/16MB  |                                   |
| 3-424-2400A01 | RTCPU Assy _ P5-133Mhz 16MB   | Requires NT 4.0                   |
| 3-424-2400A02 | RTCPU Assy _ P5-133Mhz 16MB w/Com Ports   | Requires NT 4.0                   |
|               |   |                                   |
|               | I/O   |                                   |
| 3-542-1210A   | CMHD I/O board  |                                   |
| 3-542-1387A   | CMHD I/O board (CE version)   |                                   |
| 3-542-1341A   | HIPI board (Parallel only - Analog package)   |                                   |
| 3-542-1388A   | HIPI board (Serial & Parallel - Analog package)   |                                   |
| 3-531-4678A   | DIBA2 board   |                                   |
| 3-542-1218A   | DV7 board   | Superseded by 3-542-1276A         |
| 3-542-1276A   | DV5 board   | Superseded by 3-542-1340A         |
| 3-542-1340A   | DV5 board   | Superseded by 3-542-1451A         |
| 3-542-1344A   | DV3 board   |                                   |
| 3-542-1425A   | DV7S "Slave" board (used as base for 5th & 6th axis option)                               |                                   |
| 3-542-1367A   | DV7F board (Filtered board for Lagun)   |                                   |
| 3-542-1358A   | DV5F board (Filtered board for Lagun)   |                                   |
| 3-545-1021A   | 5th Axis Option Assembly _ 6 channels   | Superseded by 3-545-1023A         |
| 3-545-1022A   | 6th Axis Option Assembly _ 7 channels   | Superseded by 3-545-1024A         |
| 3-545-1023A   | 5th Axis Option Assembly _ 6 channels   | Superseded by 3-545-1064A         |
| 3-545-1024A   | 6th Axis Option Assembly _ 7 channels   | Superseded by 3-545-1065A         |
| 3-545-1042A   | 5th Axis Filtered Option (Lagun) Assembly _ 6 channels                                    |                                   |
| 3-545-1043A   | 6th Axis Filtered Option (Lagun) Assembly _ 7 channels                                    |                                   |
| 3-545-1050A   | 6th Axis Option 2nd Servo board (Slave) Assembly _ 7 channels                             |                                   |
| 3-542-1451A   | DV5   |                                   |
| 3-542-1064A   | 5th Axis Option Assembly _ 6 Channels   |                                   |
| 3-542-1065A   | 6th Axis Option Assembly _7 Channels  |                                   |
| 3-533-1035G   | Ethernet 16C board - Pro  | DNE Only _ Purchase 3-533-1114G   |
| 3-533-1043G   | Ethernet 16C board - Pro 10 Plus  | DNE Only _ Purchase 3-533-1114G   |
| 3-533-1105G   | Ethernet 16C board - Pro 10 Plus w/o AUI  | DNE Only _ Purchase 3-533-1114G   |
| 3-533-1114G   | Ethernet board  |                                   |
| 3-526-1023K   | Modem 33.6K kit   |                                   |
| 3-526-1065K   | DDCON w/o UPS board - Modem p/n: 1-640-0225   | Superseded kit #3-526-1023K       |
| 3-545-1058A   | Smart Brick I/O - Single 16in/8out - 3rd generation (CE version)                          |                                   |
| 3-545-1059A   | Smart Brick I/O - Double 32in / 16out - 3rd generation (CE version)                       |                                   |
| 3-545-1060A   | Smart Brick I/O - Triple 48in/24out - 3rd generation (CE version)                         |                                   |
| 3-545-1061A   | Smart Brick I/O - Quad 64in/32out - 3rd generation (CE version)                           |                                   |
|               |   |                                   |

|               |  |   |
|---------------|--|---|
|               | Pendant Assemblies   |   |
|               | Machining Centers  |   |
| 3-424-2131A   | VMC Pendant Assy _ English legends 8ft                     | 1st Generation - Replaced by 3-424-2158A _ Exchange for 3-424-2194A     |
| 3-424-2153A   | VMC Pendant Assy _ ISO legends 8ft                         | 1st Generation - Replaced by 3-424-2193A _ Exchange for 3-424-2193A     |
| 3-424-2153A01 | VMC Pendant Assy _ ISO legends 25ft                        | 1st Generation - Replaced by 3-424-2193A01 _ Exchange for 3-424-2193A01 |
| 3-424-2158A   | VMC Pendant Assy _ English legends 8ft                     | 1st Generation - Replaced by 3-424-2194A _ Exchange for 3-424-2194A     |
| 3-424-2158A01 | VMC Pendant Assy _ English legends 25ft                    | 1st Generation - Replaced by 3-424-2194A01 _ Exchange for 3-424-2194A01 |
| 3-424-2193A   | VMC Pendant Assy _ ISO legends 8ft 2nd. generation         |   |
| 3-424-2193A01 | VMC Pendant Assy _ ISO legends 25ft 2nd. generation        |   |
| 3-424-2194A   | VMC Pendant Assy _ English legends 8ft 2nd. generation     |   |
| 3-424-2194A01 | VMC Pendant Assy _ English legends 25ft 2nd. generation    |   |
| 3-424-2226A   | VMC Pendant Assy _ ISO legends 8ft 3rd. generation         |   |
| 3-424-2226A01 | VMC Pendant Assy _ ISO legends 25ft 3rd. generation        |   |
| 3-424-2227A   | VMC Pendant Assy _ English legends 8ft 3rd. generation     |   |
| 3-424-2227A01 | VMC Pendant Assy _ English legends 25ft 3rd. generation    |   |
| 3-424-2228A   | HMC Pendant Assy _ English legends 8ft 3rd. generation     |   |
| 3-424-2228A01 | HMC Pendant Assy _ English legends 25ft 3rd. generation    |   |
| 3-424-2228A02 | HMC Pendant Assy _ English legends 12ft 3rd. generation    |   |
| 3-424-2229A   | HMC Pendant Assy _ ISO legends 8ft 3rd. generation         |   |
| 3-424-2288A01 | HMC Pendant Assy _ English legends 25ft,+W 4th. generation |   |
| 3-424-2325A   | VMC Pendant Assy ISO legends 8ft 4th generation            |   |
| 3-424-2325A01 | VMC Pendant Assy ISO legends 25ft 4th generation           |   |
| 3-424-2326A   | VMC Pendant Assy English legends 8ft 4th generation        |   |
| 3-424-2326A01 | VMC Pendant Assy English legends 25ft 4th generation       |   |
| 3-424-2327A   | HMC Pendant Assy English legends 8ft 4th generation        |   |
| 3-424-2327A01 | HMC Pendant Assy English legends 25ft 4th generation       |   |
| 3-424-2327A02 | HMC Pendant Assy English legends 12ft 4th generation       |   |
| 3-424-2328A   | HMC Pendant Assy ISO legends 8ft 4th generation            |   |
| 3-424-2328A02 | HMC Pendant Assy ISO legends 12ft 4th generation           |   |
|               |  |   |
|               | Turning Centers  |   |

|               |   |  |
|---------------|---|--|
| 3-424-2188A   | TC Pendant Assy _ English legends 8 ft                          | 1st Generation - Replaced by 3-424-2198A _<br>Exchange for 3-424-2198A     |
| 3-424-2197A   | TC Pendant Assy _ ISO 8ft quill                                 |  |
| 3-424-2198A   | TC Pendant Assy _ English legends 8ft quill 2nd.<br>generation  |  |
| 3-424-2198A01 | TC Pendant Assy _ English legends 25ft quill 2nd.<br>generation |  |
| 3-424-2198A02 | TC Pendant Assy _ English legends 8ft s/spdl 2nd.<br>generation |  |
| 3-424-2251A02 | TC Pendant Assy _ English legends 10ft +W 3rd.<br>generation    |  |
| 3-424-2252A02 | TC Pendant Assy _ ISO legends 10ft +W 3rd.<br>generation        |  |
| 3-424-2301A   | VTC Pendant Assy English legends 10ft 3rd<br>generation         |  |
| 3-424-2301A01 | VTC Pendant Assy English legends 25ft 3rd<br>generation         |  |
| 3-424-2333A02 | TC Pendant Assy English legends 10ft +W 4th<br>generation       |  |
| 3-424-2334A02 | TC Pendant Assy ISO legends 10ft +W 4th generation              |  |
| 3-424-2350A   | TC Pendant Assy English legends 8ft quill 4th<br>generation     |  |
| 3-424-2350A01 | TC Pendant Assy English legends 25ft quill 4th<br>generation    |  |
| 3-424-2350A02 | TC Pendant Assy English legends 8ft s/spdl 4th<br>generation    |  |
| 3-424-2351A   | VTC Pendant Assy English legends 10ft 4th<br>generation         |  |
| 3-424-2351A01 | VTC Pendant Assy English legends 25ft 4th<br>generation         |  |
| 3-424-2370A02 | TC Pendant Assy English legends 12ft C-axis 4th<br>generation   |  |
| 3-424-2385A   | TC Pendant Assy English legend 25ft QUILL, Front<br>Tool        |  |
|               |   |  |
| 1-530-0058    | Knob w/ white line  |  |
|               |   |  |
|               | Panel Assemblies  |  |
| 3-424-2185A   | TC Panel Assy _ English quill                                   | 1st Generation - Replaced by 3-424-2196A _<br>Exchange for 3-424-2196A     |
| 3-424-2185A01 | TC Panel Assy _ English s/spdl                                  | 1st Generation - Replaced by 3-424-2196A01 _<br>Exchange for 3-424-2196A01 |
| 3-424-2195A   | TC Panel Assy _ ISO legends quill 2nd. generation               |  |
| 3-424-2195A01 | TC Panel Assy _ ISO legends s/spdl 2nd. generation              |  |
| 3-424-2196A   | TC Panel Assy _ English legends quill 2nd. generation           |  |
| 3-424-2196A01 | TC Panel Assy _ English legends s/spdl 2nd.<br>Generation       |  |
| 3-424-2249A   | TC Panel Assy _ ISO legends quill 3rd. generation               |  |
| 3-424-2250A   | TC Panel Assy _ English legends quill 3rd. generation           |  |
| 3-424-2282A   | VMC Panel Assy _ English 3rd. generation                        |  |

|                |  |  |
|----------------|--|--|
| 3-424-2330A    | VMC Panel Assy English 4th generation              |  |
| 3-424-2331A    | TC Panel Assy ISO legends quill 4th generation     |  |
| 3-424-2332A    | TC Panel Assy English legends quill 4th generation |  |
|                |  |  |
|                | Other Assemblies                                   |  |
| 3-424-2184A    | I/O Loopback Assembly                              |  |
| 3-424-2128A    | Floppy Drive Assembly _ 1.44 MByte, 8ft            |  |
| 3-424-2128A01  | Floppy Drive Assembly _ 1.44 MByte, 30ft           |  |
| 3-424-2128A02  | Floppy Drive Assembly _ 1.44 MByte, 4ft            |  |
| 3-424-2128A03  | Floppy Drive Assembly _ 1.44 MByte, 10ft           |  |
| 3-424-2128A04  | Floppy Drive Assembly "Gray" _ 1.44 MByte, 10ft    |  |
| 3-424-2128A05  | Floppy Drive Assembly "Gray" _ 1.44 MByte, 4ft     |  |
| 3-424-2182A    | Portable Floppy Drive Assy _ 1.44 MByte, 8ft.      |  |
| 1-525-1247     | Keyboard 101 w/trackball/trackstick                | DNE Only _ Purchase 1-525-1372             |
| 1-525-1265A    | Keyboard Assembly 101 w/touchpad                   | DNE Only _ Purchase 1-525-1372             |
| 1-525-1308A    | Keyboard Assembly 101 w/touchpad "Keytronics"      | DNE Only _ Purchase 1-525-1372             |
| 1-525-1372     | Keyboard Assembly with Touchpad                    |  |
| 3-422-3514A    | Servo Loopback plug                                |  |
| 1-422-0177     | RS-232 Jumper cable "COM1" - LCD                   |  |
| 3-422-3703A01  | Flat Panel OSA cable w/ferrite 25ft                |  |
| 3-422-3703A02  | Flat Panel OSA cable w/ferrite 5m                  |  |
| 3-422-3703A03  | Flat Panel OSA cable w/ferrite 6.5m                |  |
| 3-422-3703A04  | Flat Panel OSA cable w/ferrite 50ft                |  |
|                |  |  |
|                | Hard Drive Assemblies                              |  |
| 3-424-2125A    | Hard Drive Assembly _ 210 Mb                       | DNE only _ Purchase 3-424-2383A02          |
| 3-424-2174A    | Hard Drive Assembly _ 540 MB                       | DNE only _ Purchase 3-424-2383A02          |
| 3-424-2174A01  | Hard Drive Assembly _ 640 MB                       | DNE only _ Purchase 3-424-2383A02          |
| 3-424-2174A02  | Hard Drive Assembly _ 1.6 GB                       | DNE only _ Purchase 3-424-2383A02          |
| 3-424-2174A001 | Hard Drive Assembly _ 540 MB                       | DNE only _ Purchase 3-424-2383A02          |
| 3-424-2174A011 | Hard Drive Assembly _ 640 MB                       | DNE only _ Purchase 3-424-2383A02          |
| 3-424-2174A021 | Hard Drive Assembly _ 1.6 GB                       | DNE only _ Purchase 3-424-2383A02          |
| 3-424-2352A    | Hard Drive Assembly 1.6 GB                         | DNE only _ Purchase 3-424-2383A02          |
| 3-424-2383A    | Hard Drive assembly _ 10.2 GB                      | DNE only _ Purchase 3-424-2383A02          |
| 3-424-2383A01  | Hard Drive Assembly 10.2 GB                        |  |
| 3-424-2383A02  | Hard Drive Assembly _ 2.1 GB                       | Hardware compliant with ALL A2100s         |
|                |  |  |
|                | Misc Cables  |  |
| 3-422-3626A05  | PCA-Pendant cable - 25'                            |  |
| 3-422-3627A05  | OSA AC Power cable - 25'                           | From PCA power supply to OSA               |
| 3-422-3628A05  | OSA Fan cable - 25'                                | For 24VDC to OSA fan                       |
| 3-422-3629A05  | OSA Data cable - 25'                               |  |
| 3-422-3630A05  | KTI power cable - 25'                              |  |
| 3-422-3631A05  | Keyboard/Trackball - 25'                           |  |
| 3-422-3640A02  | CMHD jacketed cable - 5'                           |  |
| 3-422-3641A02  | CMHD jacketed cable - 5', output                   | two pins plugged                           |
| 3-422-3666A    | Analog Loopback Plug                               | Remove metal strain relief (causes shorts) |
| 3-422-3667A    | Digital Loopback Plug                              | Remove metal strain relief (causes shorts) |

|               |                                    |  |
|---------------|------------------------------------|--|
| 3-422-3744A   | PCA to Pendant Bulkhead (3rd gen.) |  |
|               |                                    |  |
| 3-422-3620A   | Keyboard/Trackball ext. cable      | Lg. Plate                                      |
| 3-422-3658A01 | Keyboard/Trackball ext. cable      | Incl. in kit #3-526-0992K (Hawk & Falcon TC's) |
| 3-422-3702A01 | Keyboard/Trackball ext. cable      | Sm. Plate                                      |
| 3-422-3482A   | RS-232 NULL MODEM CABLE            |  |



## A2100 Documentation Part Number List

*Note: Siemens does not provide any documentation specific to any particular machine type. Some features and/or capabilities may not be present in your particular implementation of the control. Always consult your machine tool builder for proper operating, programming, and maintenance procedures for their specific machine. Siemens manuals can be ordered directly from Service Parts.*

**Select Manual Type from the List Below:**

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[Installation, Setup & Service Manuals](#)

[Control Maintenance Manual](#)

[Probe Manuals](#)

[Hardware Application Manuals & Application Notes](#)

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### **Operation Manuals**

| Name                  | Part Number   | Software Release       | Latest Revision |
|-----------------------|---------------|------------------------|-----------------|
| Operations Guide (MC) | 7-000-5008PG  | Release 1              | Jun 1995        |
| Operations Guide (MC) | 7-000-5188PG  | Release 2.0, 2.1, 2.2  | Sep 1997        |
| Operations Guide (TC) | 7-000-5187PG  | Release 2.0, 2.1, 2.x  | Apr 1996        |
| Operations Guide (MC) | 7-000-5591PG  | Release 3.0, 3.1, 3.2x | Feb 2000 Rev. C |
| Operations Guide (MC) | 7-000-5591PGC | Release 3.0 - Czech    | Mar 1998        |
| Operations Guide (MC) | 7-000-5591PGF | Release 3.0 - French   | Mar 1998        |
| Operations Guide (MC) | 7-000-5591PGG | Release 3.0 - German   | Mar 1998        |
| Operations Guide (MC) | 7-000-5591PGI | Release 3.0 - Italian  | Mar 1998        |
| Operations Guide (MC) | 7-000-5591PGS | Release 3.0 - Spanish  | Mar 1998        |
| Operations Guide (MC) | 7-000-5972OG  | Release 4.0            | Apr 2000        |
| Operations Guide (MC) | 7-000-5992OG  | Release 5.0            | Jan 2001        |
| Operations Guide (TC) | 7-000-5996OG  | Release 5.0            | Jan 2001        |

### **Programming Manuals**

| Name                    | Part Number  | Software Release | Latest Revision |
|-------------------------|--------------|------------------|-----------------|
| Programming Manual (MC) | 7-000-5008PM | Release 1        | Jun 1995        |
| Programming Manual (MC) | 7-000-5188PM | Release 2.0, 2.1 | Dec 1996        |
| Programming Manual (TC) | 7-000-5187PM | Release 2.0, 2.1 | Dec 1996        |
| Programming Manual (MC) | 7-000-5372PM | Release 2.2      | Mar 1997        |
| Programming Manual (TC) | 7-000-5373PM | Release 2.2, 3.0 | Jul 1999        |

|                         |               |                       |          |
|-------------------------|---------------|-----------------------|----------|
| Programming Manual (MC) | 7-000-5590PM  | Release 3.0, 3.2      | Jul 1999 |
| Programming Manual (MC) | 7-000-5590PMC | Release 3.0 - Czech   | Mar 1998 |
| Programming Manual (MC) | 7-000-5590PMF | Release 3.0 - French  | Aug 1998 |
| Programming Manual (MC) | 7-000-5590PMG | Release 3.0 - German  | Aug 1998 |
| Programming Manual (MC) | 7-000-5590PMI | Release 3.0 - Italian | Aug 1998 |
| Programming Manual (MC) | 7-000-5590PMS | Release 3.0 - Spanish | Aug 1998 |
| Programming Manual (MC) | 7-000-5965PM  | Release 4.0 to 4.12   | Nov 2000 |
| Programming Manual (MC) | 7-000-5993PM  | Release 5.0           | Jan 2001 |
| Programming Manual (TC) | 7-000-5995PM  | Release 5.0           | Jan 2001 |

### **Installation, Setup & Service Manuals**

|   |              |                         |                 |
|---|--------------|-------------------------|-----------------|
| Installation, Setup & Service ('IS&S') Manual - A2100 (All versions - <u>except A2100Di</u> ) | 7-000-5938IS | Release 4.1 (and prior) | Jun 2001 Rev. D |
| Installation, Setup & Service ('IS&S') Manual - A2100Di                                       | 7-000-5979IS | Release 5.x             | May 2001 Rev. A |
| Installation, Setup & Service ('IS&S') Manual - A2100 (All versions - <u>except A2100Di</u> ) | 7-000-6100IS | Release 5.x             | Jul 2001 Rev. + |

### **Control Maintenance Manual (Obsolete)**

| Name   | Part Number                                  | Software Release | Latest Revision |
|--|--|------------------|-----------------|
| Control Maintenance (Analog)<br><b><i>This manual is now included in the IS &amp; S manual <a href="#">7-000-5938IS</a> listed above.</i></b>  | 7-000-5008GR<br><br>Do not order this manual | Release 2.2      | Nov 1997        |
| Control Maintenance (digital)<br><b><i>This manual is now included in the IS &amp; S manual <a href="#">7-000-5938IS</a> listed above.</i></b> | 7-000-5749GR<br><br>Do not order this manual | Release 3.x      | Jul 1999        |

### **Probe Manuals**

| Name | Part Number | Software Release, Comments | Latest Revision |
|------|-------------|----------------------------|-----------------|
|      |             |                            |                 |

|  |               |  |          |
|--|---------------|--|----------|
| Spindle Probe (MC)                         | 7-000-5558AP  | Release 2.0 thru 2.3<br>(Included with Option<br>Package Spindle Probe<br>3-526-xxxxK)   | Mar 1998 |
| Tool Setting Probe (MC)                    | 7-000-5559AP  | Release 2.0 thru 2.3<br>(Included with Option<br>Package Tool Probe<br>3-526-xxxxK)  | Apr 1998 |
| Spindle Probe (MC)                         | 7-000-5592AP  | Release 3.0<br>(Included with Option<br>Package Spindle Probe<br>3-526-1003K)  | Mar 1998 |
| Spindle Probe (MC)                         | 7-000-6087AP  | Release 5.0 and prior<br>(Included with Option<br>Package Spindle Probe<br>3-526-1003K)  | Aug 2001 |
| Spindle Probe (MC)                         | 7-000-5592APC | Release 3.0 - Czech  | Mar 1998 |
| Spindle Probe (MC)                         | 7-000-5592APF | Release 3.0 - French   | Mar 1998 |
| Spindle Probe (MC)                         | 7-000-5592APG | Release 3.0 - German   | Mar 1998 |
| Spindle Probe (MC)                         | 7-000-5592API | Release 3.0 - Italian  | Mar 1998 |
| Spindle Probe (MC)                         | 7-000-5592APS | Release 3.0 - Spanish  | Mar 1998 |
| Tool Setting Probe (MC)                    | 7-000-5593AP  | Release 3.0<br>(Included with Option<br>Package Tool Probe<br>3-526-1004K)   | Mar 1998 |
| Tool Setting Probe (MC)                    | 7-000-5593APC | Release 3.0 - Czech  | Mar 1998 |
| Tool Setting Probe (MC)                    | 7-000-5593APF | Release 3.0 - French   | Mar 1998 |
| Tool Setting Probe (MC)                    | 7-000-5593APG | Release 3.0 - German   | Mar 1998 |
| Tool Setting Probe (MC)                    | 7-000-5593API | Release 3.0 - Italian  | Mar 1998 |
| Tool Setting Probe (MC)                    | 7-000-5593APS | Release 3.0 - Spanish  | Mar 1998 |
| Turret Probe and Tool Setter<br>Probe (TC) | 7-000-5813AP  | Release 2.23 and 3.2x<br>Includes both Turret Probe<br>and Tool Setter Probe<br>options.<br>Note: This document does<br>not cover rotating tool<br>applications. | Feb 1999 |

|   |              |  |          |
|---|--------------|--|----------|
| Turret Probe and Tool Setter Probe (TC) | 7-000-6091AP | Release 5.0 and prior<br>Includes both Turret Probe and Tool Setter Probe options.<br>Note: This document does not cover rotating tool applications. | Oct 2001 |
| Tool Setting Probe (MC)                 | 7-000-6027AP | Release 4.11<br>(Included with Option Package Tool Probe 3-526-1004K)  | Sep 2000 |
| Tool Setting Probe (MC)                 | 7-000-6152AP | Release 5.0 and prior<br>(Included with Option Package Tool Probe 3-526-1004K)   | Aug 2001 |

### Hardware Application Manuals & Application Notes

| Name   | Part Number   | Software Release, Comments | Latest Revision |
|--|---|----------------------------|-----------------|
| Hardware Application Manual (Analog - covers CRT only)<br><b><i>This manual is now included in the IS &amp; S manual <a href="#">7-000-5938IS</a> listed above.</i></b>            | 7-000-5008AM<br><br><b>Do not order this manual</b> | Document is for OEM's.     | May 1998        |
| Hardware Application Manual (Flat Panel Addendum to 7-000-5008AM)<br><b><i>This manual is now included in the IS &amp; S manual <a href="#">7-000-5938IS</a> listed above.</i></b> | 7-000-5656AN<br><br><b>Do not order this manual</b> | OBSOLETE                   | XXXX            |
| Hardware Application Manual (Digital - covers Flat Panel and CRT)<br><b><i>This manual is now included in the IS &amp; S manual <a href="#">7-000-5938IS</a> listed above.</i></b> | 7-000-5194AM<br><br><b>Do not order this manual</b> | Document is for OEM's.     | May 1999        |
| Hardware Application Manual (Digital with CRT) <b><i>This manual is now included in the IS &amp; S manual <a href="#">7-000-5938IS</a> listed above.</i></b>                       | 7-000-5741AM<br><br><b>Do not order this manual</b> | OBSOLETE                   | XXXX            |

|   |  |   |          |
|---|--|---|----------|
| A2100 A/S Hardware Applications Manual Addendum<br><i>This manual is now included in the IS &amp; S manual <a href="#">7-000-5938IS</a> listed above.</i> | <del>7-000-5754AN</del><br><b>Do not order this manual</b> | Now combined with 7-000-5747IS and 7-000-5746IS               | XXXX     |
| A2100 CRT to Flat Panel Conversion Guide<br><i>This manual is now included in the IS &amp; S manual <a href="#">7-000-5938IS</a> listed above.</i>        | <del>7-000-5675AN</del><br><b>Do not order this manual</b> | Contains former 7-000-5656AN. Latest revision is Feb 11, 1999 | Feb 1999 |
| Acramatic® <i>VECTOR</i> Installation and Setup Manual (Note Suffix Change)   | <del>7-000-5747MA</del><br>7-000-5747IS                    | Rev.+   | Oct 1999 |
| Acramatic® <i>SERVO</i> Installation and Setup Manual (Note Suffix Change)  | <del>7-000-5746MA</del><br>7-000-5746IS                    | Rev.+   | Oct 1999 |

### Shop Floor Programming Manuals

| Name  | Part Number  | Comments           | Latest Revision |
|---|--------------|--------------------|-----------------|
| A2100 Shop Floor Programming Addendum to Virtual Gibbs (MC-Level 1) | 7-000-5039AP | Rel. 5.0 and prior | Nov 2000        |
| A2100 Shop Floor Programming Addendum to Virtual Gibbs (TC-Level 1) | 7-000-5204AP | Rel. 5.0 and prior | Nov 2000        |
| A2100 Shop Floor Programming Addendum to Virtual Gibbs (MC-Level 0) | 7-000-5383AP | Rel. 5.0 and prior | Nov 2000        |
| A2100 Shop Floor Programming Addendum to Virtual Gibbs (TC-Level 0) | 7-000-5384AP | Rel. 5.0 and prior | Nov 2000        |

### Additional Documents

| Name  | Part Number  | Comments  | Latest Revision |
|---|--------------|---|-----------------|
| CM I/O Hardware Application Manual                      | 7-000-0883AM | Requires HIPI Board<br><b>OBSOLETE</b>  | Jan 1997        |
| Tools Guide TK32 Application Toolkit Manual Vol. 1 of 4 | 7-000-5892TG | for A2100/A2100D/<br>A2100Di Toolkit Rel. 1.2 (and prior)<br><br>Document is for OEM's.<br><i>Restricted Distribution</i> | Jun 2000        |

|  |              |   |                 |
|--|--------------|---|-----------------|
| Designer's Guide TK32<br>Application Toolkit Manual<br>Vol. 2 of 4                                 | 7-000-5892SM | for A2100/A2100D/A2100Di<br>Rel. 1.24 (and prior)<br><br>Document is for OEM's.<br><i>Restricted Distribution</i> | Mar 2001        |
| Engineering Reference TK32<br>Application Toolkit Manual<br>Vol. 3 of 4                            | 7-000-5892ER | for A2100/A2100D/A2100Di<br>Rel. 1.24 (and prior)<br><br>Document is for OEM's.<br><i>Restricted Distribution</i> | Jan 2001        |
| Programware 32<br>Programming Guide  | 7-000-5362MA | Document is for OEM's.<br><i>Restricted Distribution</i>  | May 1997        |
| A2100 CNCApplication<br>Developer's Toolkit User<br>Manual (for Ver. 2.46 & prior,<br>before TK32) | 7-000-5740AM | Rel. 2.3<br><br>Document is for OEM's.<br><i>Restricted Distribution</i>  | Jun 1998        |
| Connectivity Manual<br>Networking and<br>Communications for A2100/<br>A2100D (includes NT4)        | 7-000-5156SM | Rel. 5.0<br><br>Communication Document<br>Included with Ethernet<br>Communication Option<br>Package 3-526-0867K   | Feb 2001        |
| Connectivity Manual<br>Networking and<br>Communications for A2100Di                                | 7-000-5994SM | Rel. 5.0<br><br>Communication Document<br>Included with A2100Di<br>Ethernet Communication<br>Option Package       | Jan 2001        |
| Acramatic® Remote I/O (CM<br>I/O and Smart Brick)  | 7-000-5977IS | for A90/A2100 (CNC)/<br>A850SX IDS, and VSx/VST/<br>EXC/486+/486 (Plastics)                                       | Aug 2000        |
| Acramatic® Remote I/O (CM<br>I/O and Smart Brick)  | 7-000-5977IS | for A90/A2100 (CNC)/<br>A850SX IDS, and VSx/VST/<br>EXC/486+/486 (Plastics)                                       | May 2001 Rev. A |

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*Part Numbers subject to change without notice. Always confirm your request with Service Parts prior to placing an order.*

A2100D Parts Listing

[Processor Control Assembly "PCA"](#)      [Misc Materials](#)   [Panel Assemblies](#)  
[Pendant Assemblies \(Machining Center/Turning Center\)](#)   [Cables](#)      [I/O](#)  
[WSCPU VGA/CRT/LVDS](#)      [Test Cable](#)      [RTCPU](#)  
[Hard Drives](#)      [Floppy Drives](#)   [Power Supply](#)

|               | Cables                   |       |  |
|---------------|--------------------------|-------|--|
| 1-422-0151    | CABLE - VGA , 25 FT      | CABLE |  |
| 1-422-0156    | CABLE-I/O,HIPI-DIBA2 6FT | CABLE |  |
| 1-422-0157    | CABLE-I/O,HIPI-DIBA2 3FT | CABLE |  |
| 1-422-0177    | CABLE-KT12 DATA JUMPER   | CABLE |  |
| 3-422-3244A   | CABLE-SERIAL LINK,10FT   | CABLE |  |
| 3-422-3245A   | CABLE-SERIAL LINK,25FT   | CABLE |  |
| 3-422-3246A   | CABLE-SERIAL LINK,50FT   | CABLE |  |
| 3-422-3600A   | CABLE-CMHD INPUT, 4 FT.  | CABLE |  |
| 3-422-3606A   | CABLE-SER. LINK,PCA-I/O  | CABLE |  |
| 3-422-3626A01 | CABLE-PCA/PENDANT 5FT    | CABLE |  |
| 3-422-3627A01 | CABLE-OSA PWR 5FT        | CABLE |  |
| 3-422-3627A02 | CABLE-OSA PWR 10FT       | CABLE |  |
| 3-422-3627A03 | CABLE-OSA PWR 15FT       | CABLE |  |
| 3-422-3627A04 | CABLE-OSA PWR 20FT       | CABLE |  |
| 3-422-3627A05 | CABLE-OSA PWR 25FT       | CABLE |  |
| 3-422-3627A06 | CABLE-OSA PWR 30FT       | CABLE |  |
| 3-422-3627A07 | CABLE-OSA PWR 35FT       | CABLE |  |
| 3-422-3627A08 | CABLE-OSA PWR 40FT       | CABLE |  |
| 3-422-3627A09 | CABLE-OSA PWR 45FT       | CABLE |  |
| 3-422-3627A10 | CABLE-OSA PWR 50FT       | CABLE |  |
| 3-422-3628A01 | CABLE-OSA FAN 5FT        | CABLE |  |
| 3-422-3628A02 | CABLE-OSA FAN 10FT       | CABLE |  |
| 3-422-3628A03 | CABLE-OSA FAN 15FT       | CABLE |  |
| 3-422-3628A04 | CABLE-OSA FAN 20FT       | CABLE |  |
| 3-422-3628A05 | CABLE-OSA FAN 25FT       | CABLE |  |
| 3-422-3628A06 | CABLE-OSA FAN 30FT       | CABLE |  |
| 3-422-3628A07 | CABLE-OSA FAN 35FT       | CABLE |  |
| 3-422-3628A08 | CABLE-OSA FAN 40FT       | CABLE |  |
| 3-422-3628A09 | CABLE-OSA FAN 45FT       | CABLE |  |
| 3-422-3628A10 | CABLE-OSA FAN 50FT       | CABLE |  |
| 3-422-3629A01 | CABLE-OSA DATA 5FT       | CABLE |  |
| 3-422-3629A02 | CABLE-OSA DATA 10FT      | CABLE |  |
| 3-422-3629A03 | CABLE-OSA DATA 15FT      | CABLE |  |
| 3-422-3629A04 | CABLE-OSA DATA 20FT      | CABLE |  |
| 3-422-3629A05 | CABLE-OSA DATA 25FT      | CABLE |  |
| 3-422-3629A06 | CABLE-OSA DATA 30FT      | CABLE |  |
| 3-422-3629A07 | CABLE-OSA DATA 35FT      | CABLE |  |
| 3-422-3629A08 | CABLE-OSA DATA 40FT      | CABLE |  |

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|---------------|----------------------------|-------|--|
| 3-422-3629A09 | CABLE-OSA DATA 45FT        | CABLE |  |
| 3-422-3629A10 | CABLE-OSA DATA 50FT        | CABLE |  |
| 3-422-3630A01 | CABLE-OSA DC PWR 5FT       | CABLE |  |
| 3-422-3630A02 | CABLE-OSA DC PWR 10FT      | CABLE |  |
| 3-422-3630A03 | CABLE-OSA DC PWR 15FT      | CABLE |  |
| 3-422-3630A04 | CABLE-OSA DC PWR 20FT      | CABLE |  |
| 3-422-3630A05 | CABLE-OSA DC PWR 25FT      | CABLE |  |
| 3-422-3630A06 | CABLE-OSA DC PWR 30FT      | CABLE |  |
| 3-422-3630A07 | CABLE-OSA DC PWR 35FT      | CABLE |  |
| 3-422-3630A08 | CABLE-OSA DC PWR 40FT      | CABLE |  |
| 3-422-3630A09 | CABLE-OSA DC PWR 45FT      | CABLE |  |
| 3-422-3630A10 | CABLE-OSA DC PWR 50FT      | CABLE |  |
| 3-422-3631A01 | CABLE-KYBD/TRCKBL. 5FT     | CABLE |  |
| 3-422-3632A01 | CABLE-SER. PORT 5FT        | CABLE |  |
| 3-422-3632A02 | CABLE-SER. PORT 10FT       | CABLE |  |
| 3-422-3632A03 | CABLE-SER. PORT 15FT       | CABLE |  |
| 3-422-3632A04 | CABLE-SER. PORT 20FT       | CABLE |  |
| 3-422-3632A05 | CABLE-SER. PORT 25FT       | CABLE |  |
| 3-422-3632A06 | CABLE-SER. PORT 30FT       | CABLE |  |
| 3-422-3632A07 | CABLE-SER. PORT 35FT       | CABLE |  |
| 3-422-3632A08 | CABLE-SER. PORT 40FT       | CABLE |  |
| 3-422-3632A09 | CABLE-SER. PORT 45FT       | CABLE |  |
| 3-422-3632A10 | CABLE-SER. PORT 50FT       | CABLE |  |
| 3-422-3640A01 | CABLE-CMHD INPUT, 3 FT.    | CABLE |  |
| 3-422-3640A02 | CABLE-CMHD INPUT, 5 FT.    | CABLE |  |
| 3-422-3640A04 | CABLE-CMHD INPUT,10 FT.    | CABLE |  |
| 3-422-3640A05 | CABLE-CMHD INPUT,12.5FT.   | CABLE |  |
| 3-422-3640A06 | CABLE-CMHD INPUT,15 FT.    | CABLE |  |
| 3-422-3640A07 | CABLE-CMHD INPUT,20 FT.    | CABLE |  |
| 3-422-3640A08 | CABLE-CMHD INPUT,25 FT.    | CABLE |  |
| 3-422-3640A09 | CABLE-CMHD INPUT,30 FT.    | CABLE |  |
| 3-422-3640A10 | CABLE-CMHD INPUT,35 FT.    | CABLE |  |
| 3-422-3640A11 | CABLE-CMHD INPUT,40 FT.    | CABLE |  |
| 3-422-3640A12 | CABLE-CMHD INPUT,45 FT.    | CABLE |  |
| 3-422-3640A13 | CABLE-CMHD INPUT,50 FT.    | CABLE |  |
| 3-422-3641A01 | CABLE-CMHD OUTPUT,3 FT.    | CABLE |  |
| 3-422-3641A02 | CABLE-CMHD OUTPUT,5 FT.    | CABLE |  |
| 3-422-3641A03 | CABLE-CMHD OUTPUT,7.5FT.   | CABLE |  |
| 3-422-3641A04 | CABLE-CMHD OUTPUT,10 FT.   | CABLE |  |
| 3-422-3641A05 | CABLE-CMHD OUTPUT,12.5FT   | CABLE |  |
| 3-422-3662A03 | CABLE A2100 / DRIVE 6FT    | CABLE |  |
| 3-422-3662A04 | CABLE A2100 / DRIVE 9FT    | CABLE |  |
| 3-422-3672A01 | CABLE-A2100 / MOTOR 2M     | CABLE |  |
| 3-422-3672A02 | CABLE-A2100 / MOTOR 3M     | CABLE |  |
| 3-422-3672A03 | CABLE-A2100 / MOTOR 4M     | CABLE |  |
| 3-422-3672A04 | CABLE-A2100 / MOTOR 5M     | CABLE |  |
| 3-422-3672A05 | CABLE-A2100 / MOTOR 6M     | CABLE |  |
| 3-422-3677A   | ENCODER POWER SUPPLY CABLE | CABLE |  |



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|---------------|---|--------------|--|
| 3-422-3703A01 | CABLE-FLAT PAN.OSA,25FT                             | CABLE        |  |
| 3-422-3703A02 | CABLE-FLAT PAN.OSA,16.4F                            | CABLE        |  |
| 3-422-3703A03 | CABLE-FLAT PAN.OSA,21.3F                            | CABLE        |  |
| 3-422-3703A04 | CABLE-FLAT PAN.OSA,50FT                             | CABLE        |  |
| 3-422-3703A05 | CABLE-FLAT PANEL OSA,3FT<br>(STRAIGHT CONNECTORS)   | CABLE        |  |
| 3-422-3744A01 | CABLE-PCA/PENDANT 5 FT.(3RD/4TH<br>GEN)             | CABLE        |  |
| 3-422-3744A02 | CABLE-PCA/PENDANT 10FT.(3RD/4TH<br>GEN)             | CABLE        |  |
| 3-422-3744A03 | CABLE-PCA/PENDANT 15FT.(3RD/4TH<br>GEN)             | CABLE        |  |
| 3-422-3744A04 | CABLE-PCA/PENDANT 20FT.(3RD/4TH<br>GEN)             | CABLE        |  |
| 3-422-3744A05 | CABLE-PCA/PENDANT 25 FT.(3RD/4TH<br>GEN)            | CABLE        |  |
| 3-422-3744A06 | CABLE-PCA/PENDANT 30FT.(3RD/4TH<br>GEN)             | CABLE        |  |
| 3-422-3744A07 | CABLE-PCA/PENDANT 35FT.(3RD/4TH<br>GEN)             | CABLE        |  |
| 3-422-3744A08 | CABLE-PCA/PENDANT 40FT.(3RD/4TH<br>GEN)             | CABLE        |  |
| 3-422-3744A09 | CABLE-PCA/PENDANT 45FT.(3RD/4TH<br>GEN)             | CABLE        |  |
| 3-422-3744A10 | CABLE-PCA/PENDANT 50FT.(3RD/4TH<br>GEN)             | CABLE        |  |
| 3-422-3810A   | CABLE-FLAT PANEL OSA, 90DEG CONN,<br>CHARTED LENGTH | CABLE        |  |
| 3-422-3958A   | CABLE-OEM SERVO W/ENC PWR,<br>CHARTED LENGTH        | CABLE        |  |
| 3-422-3959A   | CABLE-OEM SERVO W/O ENC PWR,<br>CHARTED LENGTH      | CABLE        |  |
| 3-422-3514A   | CABLE - DVXL CONVENTIONAL SERVO<br>PLUG             | TEST CABLE   |  |
| 3-422-3666A   | CABLE - DSC SERVO PLUG - ANALOG                     | TEST CABLE   |  |
| 3-422-3667A   | CABLE - DSC SERVO PLUG - DIGITAL                    | TEST CABLE   |  |
|               |   |              |  |
|               | Floppy Drives                                       |              |  |
| 3-424-2128A   | Floppy Drive Assembly _ 1.44 MByte, 8ft             | FLOPPY DRIVE |  |
| 3-424-2128A01 | Floppy Drive Assembly _ 1.44 MByte, 30ft            | FLOPPY DRIVE |  |
| 3-424-2128A02 | Floppy Drive Assembly _ 1.44 MByte, 4ft             | FLOPPY DRIVE |  |
| 3-424-2128A03 | Floppy Drive Assembly _ 1.44 MByte, 10ft            | FLOPPY DRIVE |  |
| 3-424-2128A04 | Floppy Drive Assembly "Gray" _ 1.44<br>MByte, 10ft  | FLOPPY DRIVE |  |
| 3-424-2128A05 | Floppy Drive Assembly "Gray" _ 1.44<br>MByte, 4ft   | FLOPPY DRIVE |  |
| 3-424-2182A   | Portable Floppy Drive Assy _ 1.44 MByte,<br>8ft.    | FLOPPY DRIVE |  |
|               |   |              |  |
|               | Hard Drives   |              |  |

|                |  |                   |                                     |
|----------------|--|-------------------|-------------------------------------|
| 3-424-2174A001 | Hard Drive Assembly _ 540 MB                     | HARD DRIVE        | DNE only _ Purchase 3-424-2383A02   |
| 3-424-2174A011 | Hard Drive Assembly _ 640 MB                     | HARD DRIVE        | DNE only _ Purchase 3-424-2383A02   |
| 3-424-2174A021 | Hard Drive Assembly _ 1.6 GB                     | HARD DRIVE        | DNE only _ Purchase 3-424-2383A02   |
| 3-424-2352A    | Hard Drive Assembly 1.6 GB                       | HARD DRIVE        | DNE only _ Purchase 3-424-2383A02   |
| 3-424-2383A    | Hard Drive assembly _ 10.2 GB                    | HARD DRIVE        | DNE only _ Purchase 3-424-2383A02   |
| 3-424-2383A01  | Hard Drive Assembly 10.2 GB                      | HARD DRIVE        |                                     |
| 3-424-2383A02  | Hard Drive Assembly _ 2.1 GB                     | HARD DRIVE        | Hardware compliant with ALL A2100s  |
|                | I/O  |                   |                                     |
| 3-424-2076A    | ASSY-CARD CAGE I/O 16 SLOT                       | I/O - CM          |                                     |
| 3-424-2079A    | ASSY-CARD CAGE I/O 8 SLOT                        | I/O - CM          |                                     |
| 3-542-1074A    | PCB - CMACI - AC IN                              | I/O - CM          |                                     |
| 3-542-1135A    | PCB - CMRCO - RELAY CONTACT OUT                  | I/O - CM          |                                     |
| 3-542-1177A    | PCB - CMACO - AC OUT                             | I/O - CM          |                                     |
| 3-542-1194A    | PCB - CMDCI - DC IN                              | I/O - CM          |                                     |
| 3-542-1292A    | PCB - CMDCO - DC OUT                             | I/O - CM          |                                     |
| 3-542-1303A    | PCB - CMIBA II - BUS ADAPTER                     | I/O - CM          |                                     |
| 3-542-1361A    | PCB - CMTCI - THERMOCOUPLE INTERFACE             | I/O - CM          |                                     |
| 3-545-1027A    | ASSEM-SINGLE BRICK I/O                           | I/O - SMART BRICK | No Exchanges _ Purchase 3-545-1058A |
| 3-545-1028A    | ASSEM-DOUBLE BRICK I/O                           | I/O - SMART BRICK | No Exchanges _ Purchase 3-545-1059A |
| 3-545-1041A    | ASSEM-TRIPLE BRICK I/O                           | I/O - SMART BRICK | No Exchanges _ Purchase 3-545-1060A |
| 3-545-1049A    | ASSEM-QUAD BRICK I/O II                          | I/O - SMART BRICK | No Exchanges _ Purchase 3-545-1061A |
| 3-545-1058A    | ASSEM-SINGL BRICK I/O 3                          | I/O - SMART BRICK |                                     |
| 3-545-1059A    | ASSEM-DOUBL BRICK I/O 3                          | I/O - SMART BRICK |                                     |
| 3-545-1060A    | ASSEM-TRIPL BRICK I/O 3                          | I/O - SMART BRICK |                                     |
| 3-545-1061A    | ASSEM-QUAD BRICK I/O 3                           | I/O - SMART BRICK |                                     |
| 3-542-1300A    | PCB-PARA I/O,DIG. (HIPI)                         | PCB               |                                     |
| 3-542-1338A    | PCB-C.M.HI DEN. (CMHD)                           | PCB               |                                     |
| 3-542-1429A    | CMHDL I/O board (Digital package)                |                   |                                     |
| 3-542-1237A    | HIPI board (Serial & Parallel - Digital package) |                   |                                     |
| 3-542-1300A    | HIPI board (Parallel only - Digital package)     |                   |                                     |
| 3-542-1378A    | PCB-2 AXIS CONVENTIONAL SERVO (DV2L)             | PCB               |                                     |
| 3-542-1404A    | PCB-HSSL + PARALLEL I/O LONG DB (HIPI)           | PCB               |                                     |
| 3-542-1412A    | PCB-DIG.SERVO CONT.,DSC2                         | PCB               |                                     |
| 3-542-1429A    | PCB-CIN.MIL.HI.DEN.LONG,(CMHDL)                  | PCB               |                                     |

|               |   |                   |                                |
|---------------|---|-------------------|--------------------------------|
| 3-542-1445A   | PCB-DIG SERO CONT(DSC3)                                   | PCB               |                                |
| 3-545-1055A   | DIG. SERVO CONT. + SFIA                                   | PCB               |                                |
| 3-545-1056A   | DIG. SERVO CONT. + SFID                                   | PCB               |                                |
| 3-545-1062A   | PCB DSC3 + SFIA   | PCB               |                                |
| 3-545-1063A   | PCB DSC3 + SFID   | PCB               |                                |
| 3-542-1352A   | PCB-7 AXIS CONVENTIONAL SERVO (DV7L)                      | PCB               |                                |
|               | Misc Materials  |                   |                                |
| 1-525-1265A   | Keyboard Assembly 101 w/touchpad                          |                   | DNE Only _ Purchase 1-525-1372 |
| 1-525-1308A   | Keyboard Assembly 101 w/touchpad "Keytronics"             |                   | DNE Only _ Purchase 1-525-1372 |
| 1-525-1372    | Keyboard Assembly with Touchpad                           |                   |                                |
| 1-640-0184    | MODEM 33.6K INTERNAL ISA                                  | PCB               |                                |
| 3-533-1043G   | MODULE-ETHERNET 16C/PROG, DNU - USE 3-533-1105G           | PCB               |                                |
| 3-424-2271A   | ENCODER POWER SUPPLY                                      | POWER SUPPLY      |                                |
| 3-424-2309A   | 300W POWER SUPPLY ASSEMBLY                                | POWER SUPPLY      |                                |
|               | Processor Control Assembly "PCA"                          |                   |                                |
| 3-542-1290A   | PCB-BRIDGE BD R/T (BBR)                                   | PCB               |                                |
| 3-542-1353A   | BRIDGE BOARD WORKSTATION - BBW                            | PCB               |                                |
| 3-542-1279A   | PCB-SIEMENS 2 AMPL INTF                                   | PCB SIEMENS DRIVE |                                |
| 3-542-1280A   | PCB-SIEMENS 1 AMPL INTF                                   | PCB SIEMENS DRIVE |                                |
| 1-530-0058    | KNOB-BLK W/WHT LINE                                       | PENDANT           |                                |
|               | Pendant Assemblies  |                   |                                |
| 3-424-2249A   | TC Panel Assy _ ISO legends quill 3rd. generation         | PANEL             |                                |
| 3-424-2250A   | TC Panel Assy _ English legends quill 3rd. generation     | PANEL             |                                |
| 3-424-2282A   | VMC Panel Assy _ English 3rd. generation                  | PANEL             |                                |
| 3-424-2330A   | VMC Panel Assy English 4th generation                     | PANEL             |                                |
| 3-424-2331A   | TC Panel Assy ISO legends quill 4th generation            | PANEL             |                                |
| 3-424-2332A   | TC Panel Assy English legends quill 4th generation        | PANEL             |                                |
| 3-424-2251A02 | TC Pendant Assy _ English legends 10ft +W 3rd. generation | PENDANT           |                                |
| 3-424-2252A02 | TC Pendant Assy _ ISO legends 10ft +W 3rd. generation     | PENDANT           |                                |
| 3-424-2301A   | VTC Pendant Assy English legends 10ft 3rd generation      | PENDANT           |                                |
| 3-424-2301A01 | VTC Pendant Assy English legends 25ft 3rd generation      | PENDANT           |                                |
| 3-424-2333A02 | TC Pendant Assy English legends 10ft +W 4th generation    | PENDANT           |                                |

|               |   |         |  |
|---------------|---|---------|--|
| 3-424-2334A02 | TC Pendant Assy ISO legends 10ft +W 4th generation          | PENDANT |  |
| 3-424-2350A   | TC Pendant Assy English legends 8ft quill 4th generation    | PENDANT |  |
| 3-424-2350A01 | TC Pendant Assy English legends 25ft quill 4th generation   | PENDANT |  |
| 3-424-2350A02 | TC Pendant Assy English legends 8ft s/spdl 4th generation   | PENDANT |  |
| 3-424-2351A   | VTC Pendant Assy English legends 10ft 4th generation        | PENDANT |  |
| 3-424-2351A01 | VTC Pendant Assy English legends 25ft 4th generation        | PENDANT |  |
| 3-424-2370A02 | TC Pendant Assy English legends 12ft C-axis 4th generation  | PENDANT |  |
| 3-424-2385A   | TC Pendant Assy English legend 25ft QUILL, Front Tool       | PENDANT |  |
| 3-424-2226A   | VMC Pendant Assy _ ISO legends 8ft 3rd. generation          | PENDANT |  |
| 3-424-2226A01 | VMC Pendant Assy _ ISO legends 25ft 3rd. generation         | PENDANT |  |
| 3-424-2227A   | VMC Pendant Assy _ English legends 8ft 3rd. generation      | PENDANT |  |
| 3-424-2227A01 | VMC Pendant Assy _ English legends 25ft 3rd. generation     | PENDANT |  |
| 3-424-2228A   | HMC Pendant Assy _ English legends 8ft 3rd. generation      | PENDANT |  |
| 3-424-2228A01 | HMC Pendant Assy _ English legends 25ft 3rd. generation     | PENDANT |  |
| 3-424-2228A02 | HMC Pendant Assy _ English legends 12ft 3rd. generation     | PENDANT |  |
| 3-424-2229A   | HMC Pendant Assy _ ISO legends 8ft 3rd. generation          | PENDANT |  |
| 3-424-2288A01 | HMC Pendant Assy _ English legends 25ft, +W 4th. generation | PENDANT |  |
| 3-424-2325A   | VMC Pendant Assy ISO legends 8ft 4th generation             | PENDANT |  |
| 3-424-2325A01 | VMC Pendant Assy ISO legends 25ft 4th generation            | PENDANT |  |
| 3-424-2326A   | VMC Pendant Assy English legends 8ft 4th generation         | PENDANT |  |
| 3-424-2326A01 | VMC Pendant Assy English legends 25ft 4th generation        | PENDANT |  |
| 3-424-2327A   | HMC Pendant Assy English legends 8ft 4th generation         | PENDANT |  |
| 3-424-2327A01 | HMC Pendant Assy English legends 25ft 4th generation        | PENDANT |  |
| 3-424-2327A02 | HMC Pendant Assy English legends 12ft 4th generation        | PENDANT |  |
| 3-424-2328A   | HMC Pendant Assy ISO legends 8ft 4th generation             | PENDANT |  |

|               |  |         |   |
|---------------|--|---------|---|
| 3-424-2328A02 | HMC Pendant Assy ISO legends 12ft 4th generation   | PENDANT |   |
|               | RTCPU  |         |   |
| 3-424-2292A   | ASSY-R/T CPU CHASSIS (P166,16MB)   | RT ASSY | DNE Only - Purchase 3-424-2413A                               |
| 3-424-2308A   | ASSEMBLY-W/S CARD CAGE, W/300W PS  | WS ASSY | DNE Only - Purchase 3-424-2413A                               |
| 3-424-2310A   | ASSEMBLY-R/T CARD CAGE, (P166,8MB)   | RT ASSY | DNE Only - Purchase 3-424-2413A                               |
| 3-424-2312A   | ASSEMBLY-R/T CARD CAGE,(P166,16MB)   | RT ASSY | DNE Only - Purchase 3-424-2413A                               |
| 3-424-2413A   | ASSEMBLY T.R CARD CAGE   | RT ASSY |   |
|               | WSCPU LVDS   |         |   |
| 3-424-2276A   | WSCPU _ 5x86-133 16MB Forcom,LCD CMOS  | WSCPU   | DNE Only - Purchase 3-424-2283A02/3-424-2290A02/3-424-2374A02 |
| 3-424-2283A   | WSCPU _ P5-100 & 133 32MB Intel Rhin, LCD,ATI264   | WSCPU   | DNE Only - Purchase 3-424-2283A02/3-424-2290A02/3-424-2374A02 |
| 3-424-2283A01 | WSCPU _ P5-133 32MB Intel Rhine,LCD, ATI264,USB (Analog & Digital)                                 | WSCPU   | DNE Only - Purchase 3-424-2283A02/3-424-2290A02/3-424-2374A02 |
| 3-424-2283A02 | WSCPU _ P5-200 32MB Smart, LCD, ATI264,USB (needs at least R2.34) Std for R3                       | WSCPU   | Superseeded by 3-424-2290A02                                  |
| 3-424-2289A   | WSCPU _ 5x86-133 32MB Forcom,LCD CMOS  | WSCPU   | DNE Only - Purchase 3-424-2283A02/3-424-2290A02/3-424-2374A02 |
| 3-424-2290A   | WSCPU _ P5-200 96MB Intel Rhine,LCD, ATI264,USB  | WSCPU   | DNE Only - Purchase 3-424-2283A02/3-424-2290A02/3-424-2374A02 |
| 3-424-2290A02 | WSCPU _ P5-200 64MB Smart, LVDS, LCD, C&T (needs at least R2.34) Std for R4                        | WSCPU   | Superseeded by 3-424-2374A02                                  |
| 3-424-2374A02 | WSCPU _ K6/2-333 128 MB Smart, LVDS, LCD, C&T (needs at least R2.34) High performance for R3 / R4. | WSCPU   |   |

## 850 / 850(SX)

| Item Number     | Description          | Comment                                  | Notes                  |
|-----------------|----------------------|--|------------------------|
| 1-210-1902      | CONNECTOR            | 25 POSITION                              |                        |
| 1-210-1905      | CONNECTOR-PIN        | PIN 24/25                                |                        |
| 1-210-2598      | CONNECTOR            | 15 POSITION                              |                        |
| 1-210-2600      | CONNECTOR-PIN        | 22 DISCRETE                              |                        |
| 1-236-0010      | FAN                  | MUFFIN FAN                               |                        |
| 1-236-0092      | FAN                  | TUBEAXIAL BALL BRNG                      |                        |
| 1-370-6017      | FILTER               |  |                        |
| 1-627-2135      | POT                  | CERMET 1K                                |                        |
| 1-627-2136      | POT                  | CERMET 1K                                |                        |
| 1-635-0178      | POWER SUPPLY         | LINEAR                                   |                        |
| 1-635-0179      | POWER SUPPLY         |  |                        |
| 1-635-0180A     | POWER SUPPLY         |  |                        |
| 1-795-9096      | SWITCH               |  |                        |
| 1-795-9101      | LENS                 | GREEN                                    |                        |
| 1-855-0039      | THERMOSTAT 130F/140F |  |                        |
| 1-860-1178001RO | ONU TMR              | GE#CR7XTA1                               |                        |
| 3-422-2908A     | CABLE NCP TO GRAP    |  |                        |
| 3-422-3077A     | JUMPER PLUG          | ANALOG SERVO LOOPBACK                    |                        |
| 3-422-3154A     | JUMPER PLUG          | DIGITAL SERVO LOOPBACK                   |                        |
| 3-422-3225A     | 64 PIN RIBBON        | RIPT TO RSTB                             |                        |
| 3-422-3234A     | JUMPER PLUG          | SERVO DIGITAL INPUT TO<br>HANDWHEEL IPBK |                        |
| 3-422-3235A     | JUMPER PLUG          | SERVO DIGITAL INPUT<br>LOOPBACK          |                        |
| 3-422-3236A     | JUMPER PLUG          | SERVO RESOLVER INPUT<br>LOOPBACK         |                        |
| 3-422-3244A     | CABLE                | SERIAL LINK 10 FT.                       |                        |
| 3-422-3245A     | CABLE                | SERIAL LINK 25 FT.                       |                        |
| 3-422-3246A     | CABLE                | SERIAL LINK 50 FT.                       |                        |
| 3-422-3254A     | JUMPER PLUG          | SERVO DIGITAL LOOPBACK                   |                        |
| 3-422-3259A     | JUMPER PLUG          | OUTPUT PWM CHANNEL<br>LOOPBACK           |                        |
| 3-422-3269A     | CABLE                | HANDWHEEL (PCA/CAB)                      |                        |
| 3-422-3362A     | 10 PIN RIBBON        | IDS/SUMP TO DSTB                         |                        |
| 3-424-0121G     | OPI BOARD            |  |                        |
| 3-424-0946A     | PB PANEL             | AT LATHE                                 |                        |
| 3-424-1890A     | CARD CAGE            | 16 I/O                                   |                        |
| 3-424-1945A     | POWER SUPPLY         | (PHAN)                                   |                        |
| 3-424-2020A     | OP STATION           | AMBER CRT ASSEMBLY                       |                        |
| 3-424-2021A     | OP STATION           | COLOR CRT ASSEMBLY                       |                        |
| 3-424-2026A     | OP STATION           | MONOCHOME CRT ASSEMBLY                   | NO MONOCHOME AVAILABLE |
| 3-424-2030A     | CARD CAGE            | PCA                                      |                        |
| 3-424-2036A     | SMART 8 I/O          |  |                        |
| 3-424-2037A     | POWER SUPPLY         | PCA ASSY.                                |                        |
| 3-424-2039A     | OP. STATION          | COLOR; NO MTB PB'S , LEFT SIDE           |                        |

|             |                    |  |                          |
|-------------|--------------------|--|--------------------------|
| 3-424-2040A | POWER SUPPLY       | FOR OP. STATION ASSY.                                |                          |
| 3-424-2078A | PENDANT            | HANDWHEEL  |                          |
| 3-424-2092A | RESOLVER AMP       |  |                          |
| 3-424-2116A | RESOLVER ASSY.     | SERIES 99  | CONTACT UNOVA LAMB       |
| 3-525-0987A | PANEL              | MTB - 208 TC   |                          |
| 3-525-0994A | PANEL              | POT/METER-SABRE                                      |                          |
| 3-525-0996A | PANEL              | POT/METER-SABRE                                      |                          |
| 3-531-1081A | RIPT               | IDS  |                          |
| 3-531-3844A | MOTHER BOARD       | I/O  |                          |
| 3-531-3891A | DCI                |  |                          |
| 3-531-3957A | TCI                |  |                          |
| 3-531-4030A | IBA                |  |                          |
| 3-531-4370A | APC                | CM I/O   |                          |
| 3-531-4573A | POWER SUPPLY BOARD |  |                          |
| 3-531-4608A | IDS BACKPLANE      |  |                          |
| 3-531-4637A | DIBA               |  |                          |
| 3-533-0879G | DSP                | IDS  |                          |
| 3-533-0905G | NIBA               |  |                          |
| 3-533-0906G | SIBA               |  |                          |
| 3-533-0907G | OSP                |  |                          |
| 3-533-0908G | MMC                | LOAD W/OPTIONS & MCL                                 |                          |
| 3-533-0XXXG | NCP BOARDS         | WITH NUMEROUS BUBBLE AND RAM-ROM; EXT. MEMORY BOARDS | ALL DNE'S; CALL FOR INFO |
| 3-542-1014A | DAMP               |  |                          |
| 3-542-1015A | DUMP               | NEW (3-542-1142A)                                    |                          |
| 3-542-1016A | DIMP               |  |                          |
| 3-542-1018A | PCA                | BACKPLANE  |                          |
| 3-542-1021A | AIM                | ATTACHED TO DUMP BOARD                               |                          |
| 3-542-1022A | DIM                | ATTACHED TO DUMP BOARD                               |                          |
| 3-542-1026A | SACO               |  |                          |
| 3-542-1029A | SDCI               |  |                          |
| 3-542-1054A | DCI                | USE A 3-542-1194A                                    |                          |
| 3-542-1060A | SRCO               | SABRE LINE   |                          |
| 3-542-1118A | SUMP               | IDS  |                          |
| 3-542-1134A | CMIBA              |  |                          |
| 3-542-1135A | CMRCO              | REV A; NO REPAIR                                     |                          |
| 3-542-1142A | DUMP               |  |                          |
| 3-542-1144A | 1.25 MB CARD       | BASE OR STORE  |                          |
| 3-542-1145A | MMC                | LOAD W/OPTIONS & MCL                                 |                          |
| 3-542-1169A | SRCO               |  |                          |
| 3-542-1171A | DAMP               | IDS  |                          |
| 3-542-1172A | DIMP               | IDS  |                          |
| 3-542-1174A | MMC                | LOAD W/OPTIONS & MCL                                 |                          |
| 3-542-1187A | DIMP 3             |  |                          |
| 3-711-2611G | 1 MB CARD          | BASE OR MCL  |                          |
| 3-711-2612G | 256 KB CARD        | MCL  |                          |
| 3-711-2615G | OPTION CARD        | ONE TIME USE ONLY                                    |                          |

|               |                 |  |                         |
|---------------|-----------------|--|-------------------------|
| 3-711-2657G   | OP STATION      | AVENGER; WITH TURRET JOG PB                          |                         |
| 3-711-2666G   | OP. STATION     | SABRE; W/O LOAD METER; HAS DRAWBAR PB.               | NO MONOCHROME AVAILABLE |
| 3-711-2699G   | OP. STATION     | SABRE;WITH LOAD METER IN UPPER LEFT CORNER           |                         |
| 3-711-2700G   | OP STATION      | AVENGER;TWO POTS, NO LOAD METER IN UPPER LEFT CORNER |                         |
| 3-711-2704G   | DIMP            | IDS  |                         |
| 4-424-0519A   | SECTOR MASTER   |  |                         |
| 4-531-0127A   | COMM BOARD      |  |                         |
| 4-531-0128A   | AC I/O BOARD    |  |                         |
| 4-531-0129A   | POWER BOARD     |  |                         |
| 4-531-0148A   | D I/O MOTHER BD |  |                         |
| 4-531-9241A   | DCI BOARD       |  |                         |
| 7-000-0690 MA | MANUAL-MAINT.   | OLD STYLE  |                         |
| 7-000-0801 PM | MANUAL          | SHOP FLOOR PROGRAM                                   |                         |
| 7-000-0802XXX | OPTIONS - MC    |  |                         |
| 7-000-0803XXX | OPTIONS - TC    |  |                         |
| 7-000-0879 CR | MANUAL - MAINT. | NEW STYLE W/POTS.                                    |                         |



# Acramatic® 900 Parts Listing

| Item Number   | Description               |                               |
|---------------|---------------------------|-------------------------------|
| 1-236-0043    | MUFFIN FAN                |                               |
| 1-236-0055    | 4000 BTU/HR               |                               |
| 1-236-0056    | 4000 BTU/AR               |                               |
| 1-236-0057    | 2000 BTU/AR               |                               |
| 1-312-1098001 | CRT, 12 MONITOR; 12.6VAC  |                               |
| 1-370-0033    | DEEP PLEATE               |                               |
| 1-400-1022    | FUSE 1/2 A                |                               |
| 1-400-1030    | FUSE 1A                   |                               |
| 1-400-1039    | FUSE 2A                   |                               |
| 1-400-1044    | FUSE 3A                   |                               |
| 1-400-1048    | FUSE 4A                   |                               |
| 1-400-1051    | FUSE 5A                   |                               |
| 1-400-1060    | FUSE 8A                   |                               |
| 1-485-1003    | CABLE HOLDER              |                               |
| 1-485-3304    | FUSE HOLDER               |                               |
| 1-485-3315    | FUSE HOLDER               |                               |
| 1-525-0597    | KEYBOARD ELECT 30 POS     | Not available see 3-525-0853A |
| 1-635-0090    | PWR SUP OUT:+24V@2.3A     |                               |
| 1-635-0098    | 5VC OPERATOR PANEL ASSY   |                               |
| 1-635-0118    | PWR SUP SW OUT:MULT 900   |                               |
| 1-672-1004008 | S/P BOARD LOW VOLTAGE CI  |                               |
| 1-672-1011600 | AIR INLET                 |                               |
| 1-672-1011601 | AIR INLET                 |                               |
| 1-695-0073    | POT CO 5 OHM 10% .5W      |                               |
| 1-855-0016    | THERMOSTAT 85F/140F (20F) | Thermostat                    |
| 1-855-0037    | 120F/130F (AUT)           | Thermostat                    |
| 3-405-0007A   | ASSY-IMPEDANCE TOROIDS    |                               |
| 3-405-0011A   | ASSY-IMP. TOROIDS T10 B   |                               |
| 3-405-4053A   | ASSY-AMPLIFIER FARRAND    |                               |
| 3-422-1656A   | CABLE, DSK/2000, 3 INCHE  |                               |
| 3-422-2442A   | CABLE- KEYBOARD           |                               |
| 3-422-2572A   | CABLE-SERIAL COMM ACRA 9  |                               |
| 3-422-2573A   | CABLE-SERIAL INTERFACE    |                               |
| 3-422-2651A   | MINI MISER TO 101-9       |                               |
| 3-422-2778A   | CABLE-TAPE READER11.75 L  |                               |
| 3-424-1814A   | CPU ASSEMBLY              |                               |
| 3-424-1825A   | S.H. ASSEMBLY             |                               |
| 3-424-1826A   | ASSY-MP86 CARD CAGE(SH)   |                               |
| 3-424-1830A   | GFCI PANEL                |                               |
| 3-424-1833A   | ASSEMBLY - ROS PWR.SUPPL  |                               |
| 3-424-1869A   | 5-033-2244 MINIMISER      | 900 Chassis                   |
| 3-424-1870A   | 3-424-1902A REPLACES      |                               |
| 3-424-1872A   | ASSEM-DC PWR DISTRIBUTIO  |                               |
| 3-424-1900A   | ASSEMBLY-CRT MODULE 91N.  | Limited repair available.     |

|             |                            |                                      |
|-------------|----------------------------|--------------------------------------|
| 3-424-1902A | BATT. BACKUP 900V2         |                                      |
| 3-424-1948A |                            |                                      |
| 3-425-0118A | ACRAREAD LS READER         |                                      |
| 3-525-0853A | PANEL ASSY 900             | Vers.1 - 12" operator panel          |
| 3-525-0876A | HEALD MEMBRANE PANEL ASSY  |                                      |
| 3-525-0886A | 5VC OPERATOR PANEL ASSY    |                                      |
| 3-525-0889A | MEM PANEL T10 NO TORQUE    |                                      |
| 3-525-0908A | T10 OPER PAN W/TCI         |                                      |
| 3-525-0909A | T10 OPER PAN WO/TCI        |                                      |
| 3-525-0932A | HEALD MEMBRANE PANEL ASSY  |                                      |
| 3-526-0814L | OPT.3.5 DISKETTE-A900      | 8" to 3.5" floppy drive up grade kit |
| 3-531-3281A | MODULE PC-D C I            |                                      |
| 3-531-3282A | MODULE PC - DCO MAX 3      |                                      |
| 3-531-3283A | AC OUTPUT (ACO)            |                                      |
| 3-531-3284A | AC INPUT (ACI)             |                                      |
| 3-531-3455A | SCALE AMPLIFIER /5KHZ LO   |                                      |
| 3-531-3513A | PROCESSOR BOARD CI         | See 3-533-0018G                      |
| 3-531-3542A | PC-MODULE BATTERY BACKUP   |                                      |
| 3-531-3553A | 128K MEMORY BOARD          | See 3-533-0014G or -0019G            |
| 3-531-3561A | MODULE PC-D C I            |                                      |
| 3-531-3567A | I/O INTERFACE BOARD CNC    |                                      |
| 3-531-3568A | VOC CNC 900                |                                      |
| 3-531-3569A | 3-531-4028A SUPERSEDES     |                                      |
| 3-531-3581A | MICRO PROGRAM BOARD        | 3-533-0018G daughter bd.             |
| 3-531-3596A | 128KX9 MEMORY EXPANSION    | 3-533-0014G daughter bd.             |
| 3-531-3609A | MOTHERBOARD                |                                      |
| 3-531-3611A | PC MODULE SINE COSINE GE   |                                      |
| 3-531-3636A | DUAL BUS PROCESSOR MULT    |                                      |
| 3-531-3653A | SERIAL COMM INTFC          |                                      |
| 3-531-3657A | PERIPHERAL INTERFACE CONT. |                                      |
| 3-531-3679A | MP86                       | See 3-533-0021G                      |
| 3-531-3680A | MEMORY MANAGEMENT UNIT     |                                      |
| 3-531-3697A | VOLTAGE MONITOR UNIT (VMU) |                                      |
| 3-531-3743A | MP86 MEMORY EXPANDER       |                                      |
| 3-531-3746A | MM I/O DUMMY BOARD (DUM)   |                                      |
| 3-531-3753A | 3-531-4008A SUPERSEDES     |                                      |
| 3-531-3937A | PC BD SERIAL TAPE RDR IN   |                                      |
| 3-531-3974A | PC BD HEALD MEMBR PAN IN   |                                      |
| 3-531-4002A | PC BD MEMORY 2 - 144K      | see 3-533-0035G (V2) - 0050G (V1)    |
| 3-531-4003A | PC BD MEMORY 2 - 256K      | see 3-533-0033G (V2) -0051G (V1)     |
| 3-531-4008A | PC BD MOTHERBOARD I        |                                      |
| 3-531-4021A | PC BD 5VC OPER PANEL       |                                      |
| 3-531-4022A | PC BD T10 OPER PANEL INT   |                                      |
| 3-531-4028A | PC BD POS. INPUT DIGIT.    |                                      |



|             |  |  |
|-------------|--|--|
|             |  |  |
| 3-525-0814L | 3.5 floppy available for Vers.2 MC w/no AWC pallets. |  |

Acramatic 950 Control

PCA Boards

| Part Number | Description   | Notes                              | Requirements/Other                  |
|-------------|---------------|------------------------------------|-------------------------------------|
| 3-531-4158A | CGPT          | Obsolete, CVC replaces this & CTPT | Version 1 Motherboards only         |
| 3-531-4159A | FCC           |                                    |                                     |
| 3-531-4163A | SV2 With Pots | Obsolete, use 4423A                | Used in A750                        |
| 3-531-4265A | 512K GRAM     |                                    |                                     |
| 3-531-4266A | 1MEG GRAM     | required for A950MC Rel 3          |                                     |
| 3-531-4402A | SOH           |                                    |                                     |
| 3-531-4423A | SV2 No Pots   |                                    |                                     |
| 3-533-0260G | APCIM         |                                    |                                     |
| 3-533-0339G | CTPT          | Obsolete, CVC replaces this & CGPT | Version 1 Motherboards only         |
| 3-533-0441G | DV2           |                                    |                                     |
| 3-533-0522G | BOH           |                                    |                                     |
| 3-533-0527G | WIFI          |                                    |                                     |
| 3-533-0660G | APC-16 (128K) |                                    |                                     |
| 3-533-0712G | APC-16 (256K) |                                    |                                     |
| 3-533-0768G | WIFI 2 (128K) |                                    | MC Rel 2m2, TC Rel 1.1m3, STB 2.1m4 |
| 3-533-0769G | WIFI 2 (256K) |                                    | MC Rel 2m2, TC Rel 1.1m3, STB 2.1m4 |
| 3-533-0780G | CVC           | Replaces CTPT & CGPT               | MC Rel 1m7, TC Rel 1.1m0, STB 1.6?  |
| 3-533-0879G | DSP (.5 MSEC) | 40 MHZ                             | Ver 3                               |
| 3-533-0963G | DSP ( 1 MSEC) |                                    | Ver 3                               |
| 3-542-1243A | DSP2          | Used on Magnum & Model C Maxims    | Ver 3, Rel 3.1m7 or 3.2m0, STB 5.3  |
| 3-542-1037A | RSTB          | Resolver Signal Terminal Board     | Ver 3                               |
| 3-542-1043A | DSTB          | Digital Signal Terminal Board      | Ver 3                               |
| 3-542-1061A | DIGIN 0       | Probe/Handwheel only               | Ver 3                               |
| 3-542-1062A | DIGIN 1       | Probe/Handwheel, 1 digital input   | Ver 3                               |
| 3-542-1063A | DIGIN 2       | Probe/Handwheel, 2 digital Inputs  | Ver 3                               |
| 3-542-1064A | DIGIN 3       | Probe/Handwheel, 3 digital Inputs  | Ver 3                               |
| 3-542-1065A | DIGIN 4       | Probe/Handwheel, 4 digital Inputs  | Ver 3                               |
| 3-542-1066A | DIGIN 5       | Probe/Handwheel, 5 digital Inputs  | Ver 3                               |
| 3-542-1067A | DIGIN 6       | Probe/Handwheel, 6 digital Inputs  | Ver 3                               |
| 3-542-1068A | DIGIN 7       | Probe/Handwheel, 7 digital Inputs  | Ver 3                               |
| 3-542-1097A | DIGIN 8       | Probe/Handwheel, 8 digital Inputs  | Ver 3                               |
| 3-542-1077A | RIPT          | 4PWM, 4FEEDBACK, 4ALIGN, 2DC       | Ver 3                               |
| 3-542-1078A | RIPT          | 4PWM, 2FEEDBACK, 0ALIGN, 1DC       | Ver 3                               |
| 3-542-1079A | RIPT          | 4PWM, 2FEEDBACK, 2ALIGN, 2DC       | Ver 3                               |
| 3-542-1080A | RIPT          | 2PWM, 0FEEDBACK, 0ALIGN, 0DC       | Ver 3                               |
| 3-542-1081A | RIPT          | 2PWM, 2FEEDBACK, 0ALIGN, 1DC       | Ver 3                               |

| 3-542-1126A       | WIFI 3             | Supports 1.44 Meg Floppy Drives     | MC R2m7/R3.1m2a, TC 2.1m4, STB 3.2m1          |
|-------------------|--------------------|-------------------------------------|---|
| 3-542-1190A       | WIFI 4             | Supports IDE Hard Drives            | MC R2m8/R3m5, TC 2.1m5, STB 5.0m0             |
| CPU's             |                    |                                     |   |
| Part Number       | Description        | Notes                               | Requirements/Other                            |
| 3-533-0341G       | SCPU               | 8 Mhz 32Kb 80186                    | MC pre Rel 2.0m6a, TC pre Rel 2.1m2           |
| 3-533-0342G       | MCPU               | 8 Mhz 512Kb 80186                   |   |
| 3-533-0432G       | MCPU               | 8 Mhz 512Kb 80186 NPX               |   |
| 3-533-0708G       | GCPU               | 16 Mhz 64Kb 80c186                  |   |
| 3-533-0709G       | GCPU               | 16 Mhz 128Kb 80c186                 | MC Rel 1.0m7f                                 |
| 3-533-0710G       | GCPU               | 16 Mhz 256Kb 80c186                 | MC Rel 1.0m7f                                 |
| 3-533-0711G       | GCPU               | 16 Mhz 512Kb 80c186 NPX             | MC Rel 1.0m7f                                 |
| 3-533-0783G       | LCPU               | 16 Mhz 512Kb 386 NPX                | MC Rel 1.0m7f, not compatible with SXCPU's?   |
| 3-533-0788G       | LCPU               | 16 Mhz 1 Meg 386 NPX                | MC Rel 1.0m7f, not compatible with SXCPU's?   |
| 3-533-0872G       | SXCPU with 2s 1p   | 20Mhz 1Mb 386SX - 1000A<br>replaces | superceded by 1000 series                     |
| 3-533-0876G       | SXCPU with 2s 1p   | 20Mhz 1Mb 386SX NPX -1001A<br>repl  | superceded by 1000 series                     |
| 3-533-0942G       | SXCPU              | 20Mhz 1Mb 386SX - 1000A<br>replaces | superceded by 1000 series                     |
| 3-533-0943G       | SXCPU              | 20Mhz 1Mb 386SX NPX - 1001A<br>repl | superceded by 1000 series                     |
| 3-533-0944G       | SXCPU with 2s 1p   | 20Mhz 4Mb 386SX NPX - 1003A<br>repl | superceded by 1000 series                     |
| 3-533-0971G       | SXCPU              | 20Mhz 2Mb 386SX NPX - 1001A<br>repl | superceded by 1000 series                     |
| 3-545-1000A       | SXCPU2 w/ 2s 1p    | 20Mhz 2Mb 386SX                     | MC Rel 2.0m5, TC 2.0m0, STB 2.2m0             |
| 3-545-1001A       | SXCPU2 w/ 2s 1p    | 20Mhz 2Mb 386SX NPX                 | MC Rel 2.0m5, TC 2.0m0, STB 2.2m0             |
| 3-545-1002A       | SXCPU2 w/ 2s 1p    | 20Mhz 2Mb 386SX with SLINK          | MC Rel 2.0m5, TC 2.0m0, STB 2.2m0             |
| 3-545-1003A       | SXCPU2 w/ 2s 1p    | 20Mhz 4Mb 386SX NPX                 | MC Rel 2.0m5, TC 2.0m0, STB 2.2m0             |
| 3-542-1048A       | SLINK              | HSSL module for 1000 series         | HSSL interface to CMIBA or SBIBA              |
| PCA's             |                    |                                     |   |
| Part Number       | Description        | Notes                               | Requirements/Other                            |
| 3-424-1979A       | Version 1          | 3-531-4150A Backplane               |   |
| 3-424-2023A       | Version 2          | 3-531-4539A Backplane               |   |
| 3-424-2034A       | IDS Version 3      | 3-531-4558A Backplane               | 1 DSTB, 1 RSTB                                |
| 3-424-2118A       | IDS Version 3 - FI | 3-531-4558A Backplane               | 1 RSTB only (Economy Maxim)                   |
| Operator Stations |                    |                                     |   |
| Part Number       | Description        | Notes                               | Requirements/Other                            |
| 3-424-1978A       | OSA with TSKI      | 1/2 height Kbd, superceded by 2045  |   |
| 3-424-2045A       | OSA with TSKI      | Full height Kbd                     |   |
| 3-533-0346G       | TSKI               |                                     |   |
| 3-424-2025A       | OSA with SSKI      | Surface Acoustic Wave Touch Screen  | Used with DOS Finger Mouse                    |
| 3-533-0911G       | SSKI               | SAW Screen Interface                | Adds Analog inputs for MC Rel 3.0, TC Rel 2.0 |

| 1-525-1090-001 | SAW Board       | Located in PS Drawer              |   |
|----------------|-----------------|-----------------------------------|---|
| 3-424-2026A    | OSA with RSKI   | Resistive Touch Screen            | No Finger Mouse                               |
| 3-533-0941G    | RSKI            |                                   | Adds Analog inputs for MC Rel 3.0, TC Rel 2.0 |
| I/O Boards     |                 |                                   |   |
| Part Number    | Description     | Notes                             | Requirements/Other                            |
| 3-531-3839A    | ACO 110Volt     |                                   | APC I/O                                       |
| 3-531-4277A    | ACO 220 Volt    |                                   | APC I/O                                       |
| 3-531-3855A    | ACI 110 Volt    |                                   | APC I/O                                       |
| 3-531-4276A    | ACI 220 Volt    |                                   | APC I/O                                       |
| 3-531-3878A    | RCO             | superceded by RCO II              | APC I/O                                       |
| 3-531-4262A    | RCO II          |                                   | APC I/O                                       |
| 3-531-3891A    | DCI             |                                   | APC I/O                                       |
| 3-531-3972A    | DCO             |                                   | APC I/O                                       |
| 3-531-3916A    | ADC (0-5 Volt)  |                                   | APC I/O                                       |
| 3-531-4159A    | RSIO            |                                   | APC I/O                                       |
| 3-531-4370A    | IBA             |                                   | APC I/O                                       |
| 3-700-0185A    | TCM 850/950     | USA model, replaces 4-424-0604A   | APC I/O                                       |
| 3-424-1849A    | APC I/O Rack    |                                   | APC I/O                                       |
| 3-542-1054A    | CMDCI           | superceded by 1194A               | CM I/O  |
| 3-542-1074A    | CMACI           | superceded by 1228A               | CM I/O  |
| 3-542-1075A    | CMACO           | superceded by 1177A               | CM I/O  |
| 3-542-1116A    | CMAIN           |                                   | CM I/O  |
| 3-542-1132A    | CMDCO           | superceded by 1173A               | CM I/O  |
| 3-542-1133A    | CMTCM           |                                   | CM I/O  |
| 3-542-1134A    | CMIBA           | superceded by 1303A               | CM I/O - SLINK in PCA                         |
| 3-542-1135A    | CMRCO           |                                   | CM I/O  |
| 3-542-1173A    | CMDCO           | superceded by 1214A               | CM I/O  |
| 3-542-1177A    | CMACO           |                                   | CM I/O  |
| 3-542-1194A    | CMDCI           |                                   | CM I/O  |
| 3-542-1198A    | CMTCI           | superceded by 1265A               | CM I/O  |
| 3-542-1214A    | CMDCO           | superceded by 1292A               | CM I/O  |
| 3-542-1228A    | CMACI           |                                   | CM I/O  |
| 3-542-1292A    | CMDCO           |                                   | CM I/O  |
| 3-542-1265A    | CMTCI           |                                   | CM I/O  |
| 3-542-1303A    | CMIBA II        |                                   | CM I/O - SLINK in PCA                         |
| 3-424-2079A    | CM I/O Rack     | 8 slot (never used on A950 app's) | CM I/O  |
| 3-542-1127A    | CM Backplane 8  | 8 slot (never used on A950 app's) | CM I/O  |
| 3-424-2076A    | CM I/O Rack     | 16 slot                           | CM I/O  |
| 3-542-1128A    | CM Backplane 16 | 16 slot                           | CM I/O  |
| 3-542-1225A    | SBIBA           |                                   | Smart Brick I/O - SLINK in PCA                |
| 3-542-1368A    | SBIBA II        |                                   | Smart Brick I/O - SLINK in PCA                |
| 3-542-1226A    | SBDCI           | 16 inputs                         | Smart Brick I/O                               |
| 3-542-1227A    | SBDCO           | 8 outputs - 1296A supercedes      | Smart Brick I/O                               |
| 3-542-1296A    | NBDCO           | 8 outputs                         | Smart Brick I/O                               |
| 3-542-1427A    | NBDCO II        | CE Version, 8 outputs             | Smart Brick I/O                               |
| 3-542-1428A    | SBDCI           | CE Version, 16 Inputs             | Smart Brick I/O                               |

|             |                     |                                       |  |
|-------------|---------------------|---------------------------------------|--|
| 3-545-1013A | Smart Brick # 3     | 16in 8out(SBDCO) - 1025A<br>replaces  | Smart Brick I/O - SLINK in PCA,<br><b>Superceded by 3-545-1044A W/<br/>3-526-1024K</b> |
| 3-545-1016A | Smart Brick # 6     | 32in 16out(SBDCO) - 1026A<br>replaces | Smart Brick I/O - SLINK in PCA,<br><b>Superceded by 3-545-1045A W/<br/>3-526-1024K</b> |
| 3-545-1025A | Smart Brick # 3     | 16in 8out(NBDCO)                      | Smart Brick I/O - SLINK in PCA,<br><b>Superceded by 3-545-1044A W/<br/>3-526-1024K</b> |
| 3-545-1026A | Smart Brick # 6     | 32in 16out(NBDCO)                     | Smart Brick I/O - SLINK in PCA,<br><b>Superceded by 3-545-1045A W/<br/>3-526-1024K</b> |
| 3-545-1027A | Smart Brick I/O     | 16in 8out(NBDCO)                      | Smart Brick I/O - SLINK in PCA   |
| 3-545-1028A | Smart Brick I/O     | 32in 16out(NBDCO)                     | Smart Brick I/O - SLINK in PCA   |
| 3-545-1041A | Smart Brick I/O     | 48in 24out(NBDCO)                     | Smart Brick I/O - SLINK in PCA   |
| 3-545-1044A | Smart Brick I/O II  | 16in 8out(NBDCO)                      | Smart Brick I/O - SLINK in PCA   |
| 3-545-1045A | Smart Brick I/O II  | 32in 16out(NBDCO)                     | Smart Brick I/O - SLINK in PCA   |
| 3-545-1046A | Smart Brick I/O II  | 48in 24out(NBDCO)                     | Smart Brick I/O - SLINK in PCA   |
| 3-545-1049A | Smart Brick I/O II  | 64in 32out(NBDCO)                     | Smart Brick I/O - SLINK in PCA   |
| 3-545-1058A | Smart Brick I/O III | 16in 8out(NBDCO)                      | Smart Brick I/O - SLINK in PCA, For CE<br>Machines                                     |
| 3-545-1059A | Smart Brick I/O III | 32in 16out(NBDCO)                     | Smart Brick I/O - SLINK in PCA, For CE<br>Machines                                     |
| 3-545-1060A | Smart Brick I/O III | 48in 24out(NBDCO)                     | Smart Brick I/O - SLINK in PCA, For CE<br>Machines                                     |
| 3-545-1061A | Smart Brick I/O III | 64in 32out(NBDCO)                     | Smart Brick I/O - SLINK in PCA, For CE<br>Machines                                     |
| 3-531-4431A | SPA                 | Scale Power Amp (level)               | Inductosyn Scale Interface   |
| 3-531-4432A | SSA                 | Scale Signal Amp (Sin/Cos)            | Inductosyn Scale Interface   |

## Hard Drives

| Part Number   | Description | Notes                                  | Requirements/Other  |
|---------------|-------------|--|---|
| 3-424-1987A   | 20 Meg MFM  | WFI-1,2,3; 1-655-6016; 3-531-<br>4435A |   |
| 3-424-2054A   | 40 Meg MFM  | WFI-1,2,3; 1-655-6024; 3-531-<br>4435A |   |
| 3-424-2102A   | 170 Meg IDE | WFI-4; 1-655-6027; 3-542-1196A         | MC Rel 2.0m8 or 3.1m5, TC Rel 2.1m5,<br>STB 5.0, <b>Use only W/ 4 Axis<br/>Restricted</b> |
| 3-424-2117A   | 210 Meg IDE | WFI-4; 1-655-6028; 3-542-1196A         | Use only W/ 4 Axis Restricted   |
| 3-424-2190A   | 540 Meg IDE | WFI-4; 1-655-6029; 3-542-1196A         | STB 5.5 (7-000-5159), WFI4<br><b>Required, May use any IDE<br/>harddrive</b>              |
| 3-424-2190A01 | 640 Meg IDE | WFI-4; 1-655-6030; 3-542-1196A         | STB 5.5 (7-000-5159), WFI4<br><b>Required, May use any IDE<br/>harddrive</b>              |



|               |                |                                |  |
|---------------|----------------|--------------------------------|--|
| 3-424-2190A02 | 1.6 Gig IDE    | WFI-4; 1-655-6031; 3-542-1196A | STB 5.5 (7-000-5159), WFI4 Required, May use any IDE harddrive |
| 3-424-2190A03 | 10.2GB Quantum | WFI-4; 1-655-6033; 3-542-1196A | STB 5.5 (7-000-5159), WFI4 Required, May use any IDE harddrive |
| 3-424-2190A04 | 10.2GB Maxtor  | WFI-4; 1-655-6036; 3-542-1196A | STB 5.5 (7-000-5159), WFI4 Required, May use any IDE harddrive |

## Floppy Drives

| Part Number | Description | Notes                          | Requirements/Other   |
|-------------|-------------|--------------------------------|--|
| 3-424-1990A | 720 Floppy  | Large Housing;1-655-6026 Drive | 3-531-4398A; Floppy disk Electronics board, <b>Not Available Use 3-424-2089A</b> |
| 3-424-2088A | 1.44 Meg    | Small Housing;1-655-6020 Drive | 3-531-4398A; Floppy disk Electronics board                                       |
| 3-424-2089A | 1.44 Meg    | Large Housing;1-655-6020 Drive | 3-531-4398A; Floppy disk Electronics board                                       |

## Power Supplies

| Part Number | Description        | Notes                             | Requirements/Other                    |
|-------------|--------------------|-----------------------------------|---------------------------------------|
| 1-635-0146  | Analog PS +/-15V   | PCA, 3.0 amp                      | Ver 2 and 3                           |
| 1-635-0152  | Analog PS +/-15V   | PCA, 1.5 amp                      | Ver 1, Use 1-635-0146 for replacement |
| 1-635-0165  | Encoder +5V        | PCA                               |                                       |
| 1-635-0166  | Digital PS +5/+12v | PCA                               |                                       |
| 1-635-0172  | 5V 3A Switcher     | OSA with TSKI                     | 3-424-1978A & 3-424-2045A             |
| 1-635-0179  | 5V 14A +/-12 4A    | CM I/O 16 slot                    |                                       |
| 1-635-0180A | 5V 6A +/-12 3A     | OSA with SSKI/RSKI, CM I/O 8 slot | 3-424-2025A, 3-424-2026A, 3-424-2079A |

## Battery Backup

| Part Number | Description     | Notes | Requirements/Other |
|-------------|-----------------|-------|--------------------|
| 3-531-4408A | Battery Charger |       | Version 1 & 2      |
| 3-531-4562A | Battery Charger |       | Version 3          |
| 1-587-0722  | Battery Pack    |       | All Versions       |

## Machine Station Assemblies

| Part Number  | Description       | Notes                                  | Requirements/Other |
|--------------|-------------------|--|--------------------|
| 3-525-0967A  | MTB Panel (MC)    | no inserts                             | V2 Topchart        |
| 3-525-0969A  | MTB Panel (MC)    | 3-525-0967A with 1-525-0960 inserts    | V2 Topchart        |
| 3-525-0988A  | MTB Panel         | Same as 3-525-0969A                    | V3 Topchart        |
| 3-525-0989A  | MTB Panel Maxim   | no inserts - Handwheel graphics only   | V3 Topchart        |
| 3-525-0992A  | MTB Panel Maxim   | 3-525-0989A with 1-525-1199 inserts    | V3 Topchart        |
| 6-100-0007   | Frame MTB Panel   |  |                    |
| 3-526-0742LL | MTB Panel (Lathe) | Loose Parts                            | V2 Topchart        |
| 3-531-4471A  | Lathe Panel PCB   | included in 3-526-0742LL (loose parts) | V2 Topchart        |
| 3-531-4472A  | Lathe Logic PCB   | included in 3-526-0742LL (loose parts) | V2 Topchart        |

| 3-531-4476A  | Lathe Isola PCB   | included in 3-526-0742LL (loose parts) | V2 Topchart                                |
|--------------|-------------------|--|--|
| Cables       |                   |  |  |
| Part Number  | Description       | Notes                                  | Requirements/Other                         |
| 3-422-3187A  | APC Data - 6ft    |  | APC I/O                                    |
| 3-422-3188A  | APC Data - 3ft    |  | APC I/O                                    |
| 3-422-2685A  | APC PWR - 3ft     |  | APC I/O                                    |
| 3-422-2690A  | APC PWR - 6ft     |  | APC I/O                                    |
| 3-422-3192A  | APC PWR - 12ft    |  | APC I/O                                    |
| 3-422-3160A  | FDA PWR           |  |  |
| 3-422-3184A  | FDA Data          |  |  |
| 3-422-3244A  | HSSL - 10 ft      | termination jumper on I/O or OSA end   | A850SX - was used on Maxim, use 3606A      |
| 3-422-3245A  | HSSL - 25 ft      | termination jumper on I/O or OSA end   | A850SX                                     |
| 3-422-3246A  | HSSL - 50 ft      | termination jumper on I/O or OSA end   | A850SX                                     |
| 3-422-3271A  | HSSL - 9 in       | replaced by 3-422-3481A (blue wire)    | SLNK to PCA Bulkhead                       |
| 3-422-3481A  | HSSL - 9 in       |  | SLNK to PCA Bulkhead                       |
| 3-422-3527A  | HSSL - 6 ft       | no termination jumpers                 | Smart Brick                                |
| 3-422-3606A  | HSSL - 10 ft      | termination jumper on both ends        | PCA to CM I/O (Maxim)                      |
| 3-422-3237AA | Output PWM - 6ft  | not used                               | Ver 3 Ribbon Cable                         |
| 3-422-3238AA | Output PWM - 8ft  | not used                               | Ver 3 Ribbon Cable                         |
| 3-422-3239AA | Output PWM - 10ft | not used                               | Ver 3 Ribbon Cable                         |
| 3-422-3263AA | Output PWM - 12ft | used on Maxim/Magnum                   | Ver 3 Ribbon Cable                         |
| 3-422-3264AA | Output PWM - 15ft | not used                               | Ver 3 Ribbon Cable                         |
| 3-422-3265A  | Analog Inputs     | 1 Channel                              | RSKI or SSKI OSA; MC Rel 3.0, TC Rel 2.0m0 |
| 3-422-3266A  | Analog Inputs     | 2 Channel                              | RSKI or SSKI OSA; MC Rel 3.0, TC Rel 2.0m0 |
| 3-422-3267A  | Analog Inputs     | 3 Channel                              | RSKI or SSKI OSA; MC Rel 3.0, TC Rel 2.0m0 |
| 3-422-3268A  | Analog Inputs     | 4 Channel                              | RSKI or SSKI OSA; MC Rel 3.0, TC Rel 2.0m0 |
| 3-422-3376A  | Analog Inputs     | 1 Channel - GE Spectra Series Pots     | RSKI or SSKI OSA; MC Rel 3.0, TC Rel 2.0m0 |
| 3-422-3377A  | Analog Inputs     | 2 Channel - Used on Maxim              | RSKI or SSKI OSA; MC Rel 3.0, TC Rel 2.0m0 |
| 3-422-3378A  | Analog Inputs     | 3 Channel - GE Spectra Series Pots     | RSKI or SSKI OSA; MC Rel 3.0, TC Rel 2.0m0 |
| 3-422-3379A  | Analog Inputs     | 4 Channel - GE Spectra Series Pots     | RSKI or SSKI OSA; MC Rel 3.0, TC Rel 2.0m0 |
| 3-422-3077A  | Jumper Plug       | Analog Servo Loopback                  | Version 2 Servo - SV2                      |
| 3-422-3154A  | Jumper Plug       | Digital Servo Loopback                 | Version 2 Servo - DV2                      |
| 3-422-3175A  | Jumper Plug       | Serial Loopback - 9 pin                | Tools Port                                 |
| 3-422-3176A  | Jumper Plug       | Serial Loopback - 18 pin               | Aux Ports                                  |
| 3-422-3225A  | 64 pin Ribbon     | RIPT to RSTB or DIGIN to DSTB          | Version 3                                  |

|             |                    |  |   |
|-------------|--------------------|--|---|
| 3-422-3226A | 6 pin Ribbon       | J2 DIGIN to J12 DSTB for Handwheel     | Version 3                                     |
| 3-422-3234A | Jumper Plug        | Servo Digital Input to Handwheel lpbk  | Version 3 Servo                               |
| 3-422-3235A | Jumper Plug        | Servo Digital Input Loopback           | Version 3 Servo                               |
| 3-422-3236A | Jumper Plug        | Servo Resolver Input Loopback          | Version 3 Servo                               |
| 3-422-3259A | Jumper Plug        | Output PWM Channel Loopback            | Version 3 Servo                               |
| 3-422-3260A | Jumper Plug        | Output PWM to Link Status Loopback     | Version 3 Servo                               |
| 3-422-3013A | MSA to OSA         | Ribbon Cable - 3ft                     | 2 used on all MC MTB Membrane Panels          |
| 3-422-2688A | Exten. Cable 9 pin | Programmer to Tools Port - 10 feet     | Use with 3-531-4664A adapter for PC Com Ports |
| 3-422-2689A | Exten. Cable 9 pin | Programmer to Tools Port - 40 feet     | Use with 3-531-4664A adapter for PC Com Ports |
| 3-422-3469A | Programware        | PC to Tools Port -10 feet              | No adapter needed                             |
| 3-422-A261A | Aux to RS-232 10ft | 25 pin; A260A (5ft) thru A274A (100ft) | null modem needed for PC communication        |
| 3-422-3254A | DOS Serial         | 3-545-1003A headers to PCA bulkhd.     |   |
| 3-422-3257A | DOS Parallel       | 3-545-1003A headers to PCA bulkhd.     |   |
| 3-422-3328A | CMIO PS Cable      |  | CM I/O  |
| 3-422-3669A | 3 spdl torq cable  |  | APC I/O (data cable)                          |

## Miscellaneous

| Part Number | Description         | Notes                                 | Requirements/Other                         |
|-------------|---------------------|---------------------------------------|--|
| 1-236-0010  | Fan - OSA           |                                       |  |
| 1-236-0071  | Fan - PCA V1/V2     | 1 below hard drive                    |  |
| 1-236-0092  | Fan - PCA all Ver   | 4 used in V3, 3 in V1/V2              | Also used in APC I/O rack                  |
| 1-370-6016  | 20A EMI line filter | PCA Digital Supply                    |  |
| 1-370-6017  | 3A EMI line filter  | PCA Analog Supplies & OSA PS          |  |
| 3-245-0030A | AC Power Block      |                                       |  |
| 1-400-0639  | (10) Fuse 2A        |                                       |  |
| 1-400-1062  | (10) Fuse 10A Std   | PCA Digital PS & Fans                 |  |
| 1-400-3030  | (10) Fuse 1A        |                                       |  |
| 1-400-3039  | (10) Fuse 2A SLB    | PCA Analog PS & Reader                |  |
| 1-400-3044  | (10) Fuse 3A SLB    | PCA APC & OSA                         |  |
| 1-400-3051  | (10) Fuse MDA-5A    |                                       |  |
| 1-210-1807  | Connector - 18 pin  | Servo-V2, Probe/Hdwhl, Aux, MSA       | 1-210-1480(.04ins);1484(.08ins); 24-20 awg |
| 1-210-1808  | Connector - 9 pin   | DC Command; Ver 3                     | 1-210-1480(.04ins);1484(.08ins); 24-20 awg |
| 1-210-1809  | Connector - 12 pin  | Servo Digital Input-Ver 3;Op Sta Data | 1-210-1480(.04ins);1484(.08ins); 24-20 awg |
| 1-210-1811  | Connector - 24 pin  | Servo Resolver Input; Ver 3           | 1-210-1480(.04ins);1484(.08ins); 24-20 awg |
| 1-210-2099  | Connector - 6 pin   | PWM Base Pwr & Link Status; Ver 3     | 1-210-1481; male nickle 24-20 awg          |
| 1-210-2150  | Connector - 12 pin  | APC I/O                               |  |
| 1-210-2151  | Connector - 14 pin  | APC I/O - not used on A950 app's      |  |

|              |                         |                                 |                             |
|--------------|-------------------------|---------------------------------|-----------------------------|
| 1-210-2190   | Connector - 15 pin      | APC I/O TCM Rear Edge           |                             |
| 1-210-2191   | Connector - 22 pin      | CM I/O - all except RCO         |                             |
| 1-210-2700   | Connector - 24 pin      | CM I/O (RCO)                    |                             |
| 1-210-2452   | Connector - 6 pin       | Handwheel Power (OSA)           |                             |
| 1-210-2530   | Connector - 16 pin      | Output PWM Channels; Ver 3      |                             |
| 1-210-2184   | Connector - 6 pin       | SPA(2) & SSA(2)                 | Inductosyn Servo Interface  |
| 1-210-2186   | Connector - 4 pin       | SPA(2)                          | Inductosyn Servo Interface  |
| 1-210-2555   | Connector - 7 pin       | SSA(1)                          | Inductosyn Servo Interface  |
| 1-210-2638   | Connector -17 pin       | OSA - included with cable       | RSKI/TSKI for Analog Inputs |
| 1-815-1013   | Resolver - 2 Pole       | Analog Feedback, Axis Alignment |                             |
| 1-815-1015   | Resolver - 4 Pole       | Analog Feedback, Axis Alignment |                             |
| 1-855-0016   | Thermostat              | PCA Thermostat                  | A950 PCA                    |
| 4-690-0006   | Handwheel Enc.          |                                 |                             |
| 7-000-0815CS | System Configuration    | Page set for A950MC Version 2   |                             |
| 7-000-0721CS | System Configuration    | Page set for A950MC Version 3   |                             |
| 7-000-0861CS | System Configuration    | Page set for A950TC Version 2   |                             |
| 7-000-0597AN | Serial Interface Manual | 7-000-0597PA - no diskettes     |                             |
| 7-000-0698AM | V3 IDS App. Manual      | Version 3 Application Manual    |                             |
| 7-000-0924CR | Control Reference Man   | Version 2 & 3                   |                             |

| Big Blue   |               |  |  |
|------------|---------------|--|--|
| Part Group | Item Number   | Description                            |  |
| CNC        | 1-236-0019    | AIR COND 5500BTU/HR 115V               |  |
| CNC        | 1-312-1062001 | DISKETTE DRIVE 50HZ                    | No longer repairable / upgrade to 3.5 floppy<br>PN 3-526-0797L |
| CNC        | 1-312-1063001 | DISKETTE DRIVE 60HZ                    | No longer repairable / upgrade to 3.5 floppy<br>PN 3-526-0797L |
| CNC        | 1-312-1089001 | 32K Memory bd.                         | Recommend using 3-531-4627A                                    |
| CNC        | 1-312-2000001 | FLEXIBLE DISK DRIVE DOUB               |  |
| CNC        | 1-370-0016    | FILTER AIR FOR AIR CONDI               |  |
| CNC        | 1-400-3069    | FUSE 25 A 125V SLB CER                 |  |
| CNC        | 1-401-0007    | FUSE 4 A 125V SLB                      |  |
| CNC        | 1-401-0009    | FUSE 2 A 125V SLB                      |  |
| CNC        | 1-550-0047    | BULB LAMP INCAND T1-3/4                |  |
| CNC        | 1-550-0060    | BULB LAMP INCAND T1-3/4                |  |
| CNC        | 1-550-2422    | BULB LAMP INCAND T1-1/4                |  |
| CNC        | 1-635-0042    | PWR SUP OUT:MULT A5                    |  |
| CNC        | 1-635-0076    | POWER SUPPLY CM3A                      |  |
| CNC        | 1-635-0079    | POWER SUPPLY ELPAC                     |  |
| CNC        | 1-635-0108001 | P/S,60HZ,PS-63171;MULT                 |  |
| CNC        | 1-655-3057    | TAPE RDR MYLAR/FOIL                    |  |
| CNC        | 1-655-3074    | FLOPPY DSK 8 ,IBM2305830               |  |
| CNC        | 1-672-1003026 | FAN,KOOLTRONIC;# KJ200                 |  |
| CNC        | 1-672-1005600 | FAN-ROTRON # 028254                    |  |
| CNC        | 1-672-1005603 | AIR FILTER ; SUPER EZKL                |  |
| CNC        | 1-672-1005800 | Regulator Bd. For 1-635-0108001        |  |
| CNC        | 1-672-1005801 | Power fail detect Bd.for 1-635-0108001 |  |
| CNC        | 1-672-1012916 | FILTER,AIR; # EC 616 ;                 |  |
| CNC        | 1-795-5163    | CAP W/ RED INSERT,#PMHZ2               |  |
| CNC        | 1-795-5164    | CAP PB SWITCH CLEAR W/GR               |  |
| CNC        | 1-795-5170    | CAP PB SWITCH RED EMERG                |  |
| CNC        | 1-795-5177    | LEG INS PBTN US LEG:MAST               |  |
| CNC        | 1-795-5179    | LEG INS PBTN US LEG:MDI                |  |
| CNC        | 1-795-5182    | LEG INS PBTN US LEG:TPA                |  |
| CNC        | 1-795-5184    | LEG INS-SEARCH START                   |  |
| CNC        | 1-795-5185    | LEG INS PBTN US LEG:SEAR               |  |
| CNC        | 1-795-5186    | LEG INS PBTN US LEG:SEAR               |  |
| CNC        | 1-795-5187    | LEG INS PBTN US LEG:SEAR               |  |
| CNC        | 1-795-5190    | LEG INS PBTN US LEG:READ               |  |
| CNC        | 1-795-5192    | LEG INS-CYCLE START                    |  |
| CNC        | 1-795-5196    | LEG INS PBTN US LEG:OPTI               |  |
| CNC        | 1-795-5197    | LEG INS-SYSTEM FAULT                   |  |
| CNC        | 1-795-5211    | LEG INS-SINGLE BLOCK                   |  |
| CNC        | 1-795-5212    | LEG INS PBTN US LEG:DATA               |  |
| CNC        | 1-795-5213    | LEG INS-GRID ALIGN                     |  |
| CNC        | 1-795-5215    | LEG INS PBTN US LEG:STOR               |  |
| CNC        | 1-795-5216    | LEG INS PBTN US LEG:LOAD               |  |

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|-----|-------------|--------------------------|--|
| CNC | 1-795-5218  | LEG INS PBTN US LEG:EDIT |  |
| CNC | 1-795-5220  | LEG INS PBTN US LEG:EDIT |  |
| CNC | 1-795-5221  | LEG INS PBTN US LEG:INCH |  |
| CNC | 1-795-5224  | LEG INS PBTN US LEG:GRID |  |
| CNC | 1-795-5226  | LEG INS PBTN US LEG:LOOP |  |
| CNC | 1-795-5227  | LEG INS PBTN US LEG:BLOC |  |
| CNC | 1-795-5228  | LEG INS PBTN US LEG:EDIT |  |
| CNC | 1-795-5267  | LEG INS PBTN US LEG:FEED |  |
| CNC | 1-795-5268  | LEG INS PBTN US LEG:MACH |  |
| CNC | 1-795-5269  | LEG INS PBTN US LEG:MODI |  |
| CNC | 1-795-5271  | LEG INS PBTN US LEG:MACH |  |
| CNC | 3-422-1659A | CABLE 50 LEAD CARDEDGE T |  |
| CNC | 3-422-1663A | CABLE, DSK/2000, 18 INCH |  |
| CNC | 3-422-1822A | CABLE, CNC-MODEL MC      |  |
| CNC | 3-422-1826A | CABLE,CNC,CTO TO RLYM #1 |  |
| CNC | 3-422-1827A | CABLE                    |  |
| CNC | 3-422-1829A | CABLE-I/O PAN DRVR TO CO |  |
| CNC | 3-422-1833A | CABLE,CTI TO CPIM        |  |
| CNC | 3-422-1834A | CABLE,CTO TO CPIM        |  |
| CNC | 3-422-1856A | CABLE CIP 2200           |  |
| CNC | 3-422-1903A | CABLE,CNC,GPR-J2 TO GPR- |  |
| CNC | 3-422-2106A | CABLE-FRT TO MCIM CNC M  |  |
| CNC | 3-422-2108A | CABLE-SRV TO FRO,FRO CNC |  |
| CNC | 3-422-2125A | SRVM TO MCIM CABLE-CNC T |  |
| CNC | 3-422-2233A | CABLE, PUNCH/PUNCH EXTEN |  |
| CNC | 3-422-2339A | CABLE - C32-J4 TO CRT-P2 |  |
| CNC | 3-422-2351A | CABLE - CARDEDGE TO HEAD |  |
| CNC | 3-422-2352A | CABLE - CARDEDGE TO HEAD |  |
| CNC | 3-422-2353A | CABLE - CARDEDGE TO HEAD |  |
| CNC | 3-422-2354A | CABLE - CARDEDGE TO HEAD |  |
| CNC | 3-422-2356A | CABLE - CARDEDGE         |  |
| CNC | 3-422-2357A | CABLE - CARDEDGE         |  |
| CNC | 3-422-2358A | CABLE - CARDEDGE         |  |
| CNC | 3-422-2359A | CABLE - CARDEDGE         |  |
| CNC | 3-422-2422A | CABLE-SLD TO SRV CNC V 2 |  |
| CNC | 3-422-2423A | CABLE-CPIM TO MCIM CNC   |  |
| CNC | 3-422-2425A | CABLE-FLEXIBLE DISK TO F |  |
| CNC | 3-422-2426A | CABLE- RDR TO P2         |  |
| CNC | 3-422-2429A | CABLE- CTO TO RLYN       |  |
| CNC | 3-422-2430A | CABLE- CTI TO MCIM       |  |
| CNC | 3-422-2434A | CABLE-CIPM J32 TO IOIM J |  |
| CNC | 3-422-2448A | CABLE                    |  |
| CNC | 3-422-2449A | CABLE-CARDEDGE           |  |
| CNC | 3-422-2451A | CABLE-CARDEDGE           |  |
| CNC | 3-422-2454A | CABLE-CARDEDGE           |  |
| CNC | 3-422-2457A | CABLE-RD1R TO P2 FOR 300 |  |
| CNC | 3-422-2458A | CABLE-RD2R TO P2 FOR 300 |  |
| CNC | 3-424-1470A | 8K MEMORY BOARD          | 3-531-4627A will replace all 8Ks w/1 bd. |

|     |             |                             |                                  |
|-----|-------------|-----------------------------|----------------------------------|
| CNC | 3-424-1589A | ASSEM-64 CHAR.KEYBOARD      |                                  |
| CNC | 3-424-1858A | ASSEM-64 CHAR.KEYBOARD      |                                  |
| CNC | 3-425-0109A | ASS'Y.-CRT CNC MODEL PC     |                                  |
| CNC | 3-425-0110A | ASS'Y.-CRT CNC MODEL        |                                  |
| CNC | 3-455-2041A | FEEDBACK UNIT INCH          |                                  |
| CNC | 3-525-0551A | ASSY-SYSTEM CONTROL PANE    |                                  |
| CNC | 3-525-0812A | ASS'Y-DIAGNOSTIC PANEL      |                                  |
| CNC | 3-526-0797L | FLOPPY UPGRADE8 TO 3.5      |                                  |
| CNC | 3-531-2171A | MODULE PC                   |                                  |
| CNC | 3-531-2516A | MODULE PC C/2000            |                                  |
| CNC | 3-531-2731A | REPLACED BY 3-531-3415A     |                                  |
| CNC | 3-531-2742A | MODULE PC CNC               |                                  |
| CNC | 3-531-2751A | MODULE PC CNC               |                                  |
| CNC | 3-531-2756A | MODULE PC                   | no longer repairable             |
| CNC | 3-531-2795A | MODULE PC-CONTROL BOARD     |                                  |
| CNC | 3-531-2847A | MODULE PC Acramatic® CNC    |                                  |
| CNC | 3-531-2933A | MODULE PC-PANEL DRIVER      |                                  |
| CNC | 3-531-2971A | MODULE PC Acramatic® CNC    |                                  |
| CNC | 3-531-2981A | MODULE PC-GEN PURP REGIS    |                                  |
| CNC | 3-531-2985A | MODULE PC LOGIC PAC         |                                  |
| CNC | 3-531-2989A | MODULE PC-CONTACTS IN CTI   |                                  |
| CNC | 3-531-2993A | MODULE PC                   |                                  |
| CNC | 3-531-2996A | MODULE PC Acramatic® CNC    |                                  |
| CNC | 3-531-2997A | MODULE PC                   |                                  |
| CNC | 3-531-2998A | MODULE PC                   |                                  |
| CNC | 3-531-3011A | MODULE PC Acramatic® CNC    |                                  |
| CNC | 3-531-3012A | MODULE PC                   |                                  |
| CNC | 3-531-3013A | MODULE PC                   |                                  |
| CNC | 3-531-3016A | MODULE PC-CONTACTS OUT CTO  |                                  |
| CNC | 3-531-3034A | MODULE PC Acramatic® CNC    |                                  |
| CNC | 3-531-3036A | MODULE PC                   |                                  |
| CNC | 3-531-3081A | MODULE PC Acramatic®        |                                  |
| CNC | 3-531-3120A | MODULE PC ANALOG OUTPUT AOI |                                  |
| CNC | 3-531-3160A | MODULE PC Acramatic® CNC    |                                  |
| CNC | 3-531-3161A | MODULE PC-FEEDRATE OPTIO    |                                  |
| CNC | 3-531-3163A | MODULE PC-24V REGULATOR     |                                  |
| CNC | 3-531-3164A | MODULE PC-SLIDE INTERFAC    |                                  |
| CNC | 3-531-3180A | MODULE PC- JUMPER BOARD     |                                  |
| CNC | 3-531-3205A | MODULE PC-SERVO MOTHER B    |                                  |
| CNC | 3-531-3206A | MODULE PC-TOOL GAGE INTE    |                                  |
| CNC | 3-531-3221A | MODULE PC-DISC SYSTEM IN    |                                  |
| CNC | 3-531-3230A | MODULE-CNC CONSOLE INTER    |                                  |
| CNC | 3-531-3238A | SCALE AMP                   | Interchangeable with 3-531-3455A |
| CNC | 3-531-3291A | PC BD CRT CONT 32 X 12      | Interchangeable with 3-531-3953A |
| CNC | 3-531-3305A | PAPER TAPE CONTROLLER       | Interchangeable with 3-531-3674A |
| CNC | 3-531-3322A | PAB,POWER AMP BOARD,ACRA    |                                  |
| CNC | 3-531-3356A | MECH PROC INTERFACE CNC     |                                  |
| CNC | 3-531-3358A | MODULE PC 103/202 CONT      |                                  |

|     |             |  |                                  |
|-----|-------------|--|----------------------------------|
| CNC | 3-531-3363A | MODULE-PC IC ROM I CNC                 |                                  |
| CNC | 3-531-3380A | MODULE PC-CTI/CTO READOU               |                                  |
| CNC | 3-531-3399A | CIP MOTHER BOARD                       |                                  |
| CNC | 3-531-3409A | VOLTAGE LEVEL DETECTOR C               |                                  |
| CNC | 3-531-3415A | REPLACED BY 3-531-3525A                |                                  |
| CNC | 3-531-3455A | SCALE AMP                              | Interchangeable with 3-531-3238A |
| CNC | 3-531-3465A | SERVO MOTHERBOARD                      |                                  |
| CNC | 3-531-3475A | MODULE IC DIAG LIGHT MOD               |                                  |
| CNC | 3-531-3480A | COMPUTER DIAGNOSTIC MODU               |                                  |
| CNC | 3-531-3490A | PCB-SLIDE DRIVER,ACRAMAT               | Interchangeable with 3-531-3628A |
| CNC | 3-531-3505A | FEEDRATE CONTROL INTERFA               |                                  |
| CNC | 3-531-3506A | FEEDRATE OPTION                        |                                  |
| CNC | 3-531-3525A | DATA BOARD IV CIP/2000                 |                                  |
| CNC | 3-531-3530A | SERVO AXIS BOARD - HYDRA               |                                  |
| CNC | 3-531-3531A | SERVO-HYDRAULIC SRVH                   |                                  |
| CNC | 3-531-3546A | B/Z SWITCHABLE COMP-B                  |                                  |
| CNC | 3-531-3553A | PC BD CRT CONT 32 X 12                 | Interchangeable with 3-531-3291A |
| CNC | 3-531-3600A | I/O EXPANSION MOTHER BOA               |                                  |
| CNC | 3-531-3628A | PCB-SLIDE DRIVER,ACRAMAT               | Interchangeable with 3-531-3490A |
| CNC | 3-531-3659A | SERVO AXIS Acramatic® CN               |                                  |
| CNC | 3-531-3667A | PC BD DOUBLE DENSITY FLO               |                                  |
| CNC | 3-531-3672A | TORQUE CONTROL INTERFACE               |                                  |
| CNC | 3-531-3674A | PAPER TAPE CONTROLLER                  | Interchangeable with 3-531-3305A |
| CNC | 3-531-4114A | SCALE AMP                              |                                  |
| CNC | 3-531-4184A | SERVO AXIS II ACRA CNC                 |                                  |
| CNC | 3-531-4319A | PC BD MEM BD 4 128K                    |                                  |
| CNC | 3-531-4609A | PC BD FD3 Floppy controller 8" & 3.5 " |                                  |
| CNC | 3-531-4627A | PC BD-MEM5 CNC                         |                                  |
| CNC | 3-711-1776G | MOD. OF FDC FOR PERTEC F               |                                  |
| CNC | 3-711-1842G | MOD., PART PROGRAM EDIT                |                                  |
| CNC | 3-711-1888G | MOD. FIXTURE OFFSET                    |                                  |
| CNC | 3-711-1890G | MOD. TOOL TRIM                         |                                  |
| CNC | 3-711-1925G | MODIFICATION CNC MONITOR BD.           |                                  |
| CNC | 3-711-1959G | MODIFICATION-4.7 OHM 10                |                                  |
| CNC | 3-711-1976K | RS 232 COMM. INTF INPUT/               |                                  |
| CNC | 3-711-2216G | PART PROGRAM PUNCH INTER               |                                  |
| CNC | 3-711-2325K | IPL MOD. GEN. DYNAMICS                 |                                  |
| CNC | 4-501-0156  | TAPE READER MANUAL                     |                                  |
| CNC | 4-531-4003A | MODULE PC- TSTS                        |                                  |
| CNC | 4-531-4004A | GENERATOR BD. CNC                      |                                  |
| CNC | 4-531-4007A | ELECTRO SERVO AXIS                     |                                  |
| CNC | 4-531-4018A | SERVO TEST 5KHZ                        |                                  |
| CNC | 4-531-4019A | SINE COSINE SICO                       |                                  |
| CNC | 4-531-4020A | SERVO-ELECTRIC SRVE                    |                                  |
| CNC | 4-702-0015A | 150 LPS REPLACED BY 4-702-0046A        |                                  |
| CNC | 4-702-0046A | ACRAREAD 300 LPS DC S                  |                                  |
| CNC | 500515      | TACHOMETER DC 7V/1000ROM               |                                  |



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|-----|--------------|-------------------------------------|--|
| CNC | 7-000-0231DD | DIAGNOSTIC TAPE CONTROL             |  |
| CNC | 7-000-0234MC | MANUAL-MAINTENANCE                  |  |
| CNC | 7-000-0244DD | DIAGNOSTIC PROGRAMS CTI/            |  |
| CNC | 7-000-0257DD | DIAGNOSTIC-TAPE CIP-2200            |  |
| CNC | 7-000-0264DD | TAPE,DIAGNOSTIC-AOI                 |  |
| CNC | 7-000-0340AA | TAG MANUAL ASS Y-CNC V 2            |  |
| CNC | 7-000-0340AB | CONTROL REF MANUAL ASS Y            |  |
| CNC | 7-000-0340MN | APPLICATION MANUAL MAXIM            |  |
| CNC | 7-000-0344AA | TAG ASSEMBLY                        |  |
| CNC | 7-000-0364DD | DIAGNOSTIC TAPE CNCMEM              |  |
| CNC | 7-000-0422DD | DCS PROGRAM DIAGNOSTIC              |  |
| CNC | 7-000-0424DD | CPU DIAGNOSTIC                      |  |
| CNC | 7-000-0428DD | FDD DIAGNOSTIC                      |  |
| CNC | 7-000-0431DD | QRIT DIAGNOSTIC                     |  |
| CNC | 7-000-0433DD | DIAGNOSTIC PACKAGE DISKETTE         |  |
| CNC | 3-425-0105A  | CRT assembly Model"A'               |  |
| CNC | 3-711-1901G  | Tool changer data module            |  |
| CNC | R32 program  | Program Maximiser tool changer      |  |
| CNC | 3-711-1997G  | LPM for maiximise I/O               |  |
| CNC | 3-711-2107G  | LPM for maiximise I/O               |  |
| CNC | 3-531-3206A  | PC BD. Tool Guage Interf.           |  |
|     |              | Not all boards listed due to usage. |  |
|     |              | Call if in doudt.                   |  |

## Documentation Reference (non-A2100)

|   |   |                           |
|---|---|---------------------------|
| <a href="#">Acramatic® 850</a>            | <a href="#">Acramatic® 850SX</a>          | <a href="#">DRIVES</a>    |
| <a href="#">Acramatic® 950</a>            | <a href="#">A975</a> <a href="#">A750</a> | <a href="#">APC</a>       |
| <a href="#">MISCELLANEOUS</a>             |   |                           |
| <b>A750</b>                               |   |                           |
| Maintenance Manual                        |   | 7-000-0620AC              |
| <b>Acramatic® 850</b>                     |   |                           |
| A850TC Rel. 2.2                           |   |                           |
| Maintenance Manual & Pocket Guide Package |   | 7-000-0540AB              |
| Maintenance Manual                        |   | 7-000-0540MA              |
| Pocket Guide                              |   | 7-000-0540PG              |
| Operations Manual                         |   | 7-000-0590BM (same as MC) |
| Programming Manual                        |   | 7-000-0590PM              |
| A850MC Rel 2.2                            |   |                           |
| Maintenance Manual & Pocket Guide Package |   | 7-000-0536AB              |
| Maintenance Manual                        |   | 7-000-0536MA              |
| Pocket Guide                              |   | 7-000-0536PG              |
| Operations Manual                         |   | 7-000-0590BM (same as MC) |
| Programming Manual                        |   | 7-000-0576PM (Generic)    |
| A850MC CINTIMATIC MOD1 Rel 2.1            |   |                           |

|                               |                              |
|-------------------------------|------------------------------|
| Vert. Cintimatic Operations   | 7-000-0576MA                 |
| Vert. Cintimatic Programming  | 7-000-0605PM                 |
| Vert. Cintimatic Parts Manual | 7-000-0576PR                 |
| Horz. Cintimatic Programming  | 7-000-0605PM (same as Vert.) |

### Acramatic® 850SX

|   |              |
|---|--------------|
| Serial Data Interface (with diskettes)          | 7-000-0690AN |
| Configuration Sheets                            | 7-000-0690MB |
| Configuration Sheets (IDS) (Avenger)            | 7-000-0738CS |
| Operations (Generic)                            | 7-000-0730CF |
| Programming (Generic)                           | 7-000-0731PM |
| Control Reference (Avenger)                     | 7-000-0738CR |
| Control Reference (New Operator Station)        | 7-000-0879CR |
| CINTURN III Programming (TC)                    | 7-000-0800PM |
| CINMACH Programming (MC)                        | 7-000-0801PM |
| CINMACH Programming (MC) Rel. 3.0               | 7-000-0638PM |
| Pocket Guide (Installation & Service) (TC & MC) | 7-000-0837PG |
| Diagnostics (TC)                                | 7-000-0925RS |

### Acramatic® 950

|                      |              |
|----------------------|--------------|
| A950TC Rel 1.1 & 2.0 |              |
| Maintenance Manual   | 7-000-0597MA |
| A950MC/PC Rel 1.0    |              |
| Operations Manual    | 7-000-0535BM |
| Programming Manual   | 7-000-0535PM |

|   |              |
|---|--------------|
| Applications Control Hardware (OEM Only)                                | 7-000-0535AM |
| Applications Control Software (OEM Only)                                | 7-000-0535SM |
| A950 Rel 2.0 and beyond   |              |
| A950 Serial Data Interface (with diskettes)                             | 7-000-0597AN |
| Torque Control Module (Installation & Application Notes)<br>(APC only)  | 7-000-0756AN |
| Torque Control Module (Installation & Application Notes)<br>(CMIO only) | 7-000-0773AN |
| V2 Configuration Notebook (MC)  | 7-000-0815CS |
| V2 Configuration notebook (TC)  | 7-000-0816CS |
| Control Reference Manual (V3)   | 7-000-0698CR |
| Operations Manual (V3)  | 7-000-0698CF |
| Programming Manual (V3) (Acragen)                                       | 7-000-0698PM |
| Control Reference Manual (V2 & V3) Release 3                            | 7-000-0924CR |
| A950/760 (MC) (V3) Configuration Drawings                               | 7-000-0721CS |
| A975 – Tape Layer   |              |
| Maintenance Manual  | 7-000-0535AC |
| <b>APC 500</b>  |              |
| Installation & I/O Manual   | 7-000-0506AB |
| I/O Manual (I/O Modules Only)   | 7-000-0524AC |
| <b>DRIVES</b>   |              |
| BDS4 Drive Installation   | 7-000-0993AM |
| MBM Operations Guide  | 7-000-5029CR |
| VFS5 Spindle Drive  | 7-000-5035AM |

|   |              |
|---|--------------|
| BDS5 Servo System (Installation & Setup)    | 7-000-5035AN |
| VFS5 Spindle Drive Addendum                 | 7-000-5035AP |
| BDS5 Drive user Manual                      | 7-000-5035CR |
| DBS Drive Control Manual                    | 7-000-5258CF |
| Control Function Servo Drive                | 7-000-5329CF |
| <b>MISCELLANEOUS</b>                        |              |
| CNC Part Program Translator                 | 7-000-0760PA |
| TAG Manual for 8" to 3.5" Disk Converter    | 7-000-0761AN |
| Installation Manual for 3.5" Disk Converter | 7-000-0868AN |
| CMI/O Applications                          | 7-000-0883AM |
| Bulk Storage Module                         | 7-000-5287CR |
| COVER-MANUAL, FRONT (GENERIC).              | 1-567-0911   |
| COVER-MANUAL, REAR (GENERIC)                | 1-567-0912   |
| COVER-Vickers CHAPTER SEPARATOR (NO TABS)   | 1-567-0913   |

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## VSX, VCX and Plastic Parts List



| Part Group | Item Number | Description                           |
|------------|-------------|---------------------------------------|
| VSX        | 3-542-1269A | PC ASSY - TFHD                        |
|            | 3-542-1194A | PCB - CMDCI                           |
|            | 3-542-1292A | PCB - CMDCO                           |
|            | 3-542-1252A | PC ASSY - CAF                         |
|            | 1-635-0179  | Main Switcher P/S +5V@14A, +/- 12V@1A |
|            | 3-533-1034G | Mother Board, VSP 2MB/PCOS 2SER       |
|            | 1-587-0734  | Battery Part, 3.7V LITHIUM            |
|            | 3-424-2146A | Op. Station VSX+ W/LEDS               |
|            | 1-525-1250  | Legend Ins. VSX Rev - A               |
| VCX Mono   | 3-533-1038G | CPU, P486 2SER 4MB                    |
|            | 3-542-1269A | PC ASSY - TFHD                        |
|            | 3-533-1027G | MODULE - FCP                          |
|            | 3-542-1194A | PCB - CMDCI                           |
|            | 3-542-1292A | PCB - CMDCO                           |
|            | 3-542-1252A | PC ASSY - CAF                         |
|            | 1-635-0189  | Main Switcher Power Supply            |

|          |             |                                       |
|----------|-------------|---------------------------------------|
|          | 3-531-4667A | Motherboard - FGB16                   |
|          | 1-587-0734  | Battery Part                          |
|          | 3-424-2148A | Back Lit Op. Station Assy. 486 W/LEDS |
|          | 1-525-1248  | LEGEND-INS. 486 REV-A                 |
| Plastics | 3-533-0613G | CNH MODULE-CPU MEM P-271              |
|          | 3-533-0610G | MODULE MBA II                         |
|          | 3-533-0668G | MODULE AIN 6 THERMOCOUPLE             |
|          | 3-531-4350A | PC BD-HDCI                            |
|          | 3-531-4590A | PC BD HDCO 2                          |
|          | 1-635-0174  | Main Switching Power Supply           |
|          | 3-531-4491A | DPC-271 V2 Motherboard                |
|          | 1-587-0734  | Battery                               |
|          | 3-424-2017A | Smart Operator Station Assy. DPC-271  |

**For all SIMATIC® parts contact**

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Johnson City, TN 37601

Phone +1 (423) 461-2497

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# Miscellaneous Plastic Parts Documentation Reference

[MISCELLANEOUS](#)

[ProgramWare](#)

[APC](#)

[PLASTICS](#)

## PLASTICS

|                                     |              |
|-------------------------------------|--------------|
| DPC 500/750/1000 Maintenance Manual | 7-000-0511MA |
| DPC 270 Maintenance Manual          | 7-000-0537AC |
| DPC 271 Maintenance Manual          | 7-000-0585MA |
| DPC 625 Maintenance Manual          | 7-000-0544MA |

## RPC

|   |              |
|---|--------------|
| RPC 186 (Old 270 Base) Maintenance Manual | 7-000-0582MA |
| RPC 186 (new 271 Base) Maintenance Manual | 7-000-0589MA |

## APC 500

|                               |              |
|-------------------------------|--------------|
| Installation & I/O Manual     | 7-000-0506AB |
| I/O Manual (I/O Modules Only) | 7-000-0524AC |

## Other Plastics Controls

|  |              |
|--|--------------|
| Vista SX/ST Reference Manual   | 7-000-0689CR |
| VSX+ Control Reference   | 7-000-0899CR |
| VSX PCOS Control Reference   | 7-000-5046CR |
| 486 / 486 + PCOS Control Reference   | 7-000-5047CR |
| Application Manual, Drive System, Vista Electric Toggle, Injection Molding Control Reference | 7-000-5359CR |



|   |              |
|---|--------------|
| Genesys System Application Manual                               | 7-000-5763AM |
| Genesys Software Development Tools for VxWorks                  | 7-000-5822AN |
| Genesys Hardware Functional Reference Manual<br><b>OBSOLETE</b> | 7-000-5825CR |
| Genesys CD  | 7-000-7567CD |
|   |              |
| <b>ProgramWare</b>  |              |
| Program Ware MCL (With software)                                | 7-000-0516AC |
| ProgramWare MCL (Manual only)                                   | 7-000-0516PA |
| ProgramWare Ladder (With software)                              | 7-000-0517AC |
| ProgramWare Ladder (Manual only)                                | 7-000-0517PA |
| ProgramWare MCL Rel 3.2 (With software)                         | 7-000-0745AC |
| ProgramWare MCL Rel 3.2 (Manual only)                           | 7-000-0745PA |
| ProgramWare Rel 4.21 (With software)                            | 7-000-0862BC |
| ProgramWare Rel 4.21 (Manuals only)                             | 7-000-0862PA |
| ProgramWare 5.01 (With software)                                | 7-000-5027BC |
| ProgramWare 5.01 (Manuals only)                                 | 7-000-5027MA |
| ProgramWare 32 (With software)                                  | 7-000-5362BC |
| ProgramWare 32 (Manuals only)                                   | 7-000-5362MA |
|   |              |
| <b>MISCELLANEOUS</b>  |              |
| Label-Cd Identification (Genesys)                               | 1-540-4765   |
| Cover-Rear, CD Package (Genesys)                                | 1-167-0910   |
| Cover-Front, CD Package (Genesys)                               | 1-167-0909   |

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