

**SITE
DOCUMENTATION DICTIONARY
(SIGMA COMPUTER SYSTEMS)**

May 1972

Prepared by
Field Engineering Publications

XEROX

701 So. Aviation Blvd., El Segundo, Calif. 90245, 213 679-4511

INTRODUCTION

THIS SITE DOCUMENTATION DICTIONARY HAS BEEN PREPARED SPECIFICALLY FOR INTERNAL DISTRIBUTION TO FIELD ENGINEERING PERSONNEL TO PROVIDE ASSISTANCE IN IDENTIFYING XDS SIGMA DOCUMENTATION THAT IS AVAILABLE FOR ON-SITE REFERENCE. IT INDICATES THE LATEST REVISION LEVEL OF RELEASED DOCUMENTATION.

These publications are maintained in the XDS Publications Stockroom and are available upon request. To obtain copies of this documentation, a Literature Request Form should be filled out and processed in the normal manner. If the documentation is required for a particular site, the Literature Request costs should be charged to the Site Installation Number and should also identify the name of the customer. This Dictionary will be updated periodically.

SECTION I
MAINFRAMES

**8001A01 SIGMA 2 CENTRAL PROCESSING UNIT
ASSEMBLY NO. 131076**

Reference Manuals: 900964F Sigma 2 Computer
901080B PT16 Power Supply
901052E Xerox Extended Symbol – Sigma 2/3 Computers

Technical Manuals: 900630A-1 Sigma 2 Computer
900866A PT18 Power Supply
900867B PT19 Power Supply
901078B PT14/PT15 Power Supply
901079A PT17 Power Supply
901140A-1 PT10 Power Supply
901157A PT20 Power Supply
901614A PT25 Power Supply

Engineering Support Manual: 902300B 8001, Sigma 2 CPU

Diagnostic Manuals: 901007E Sigma 2 CPU Diagnostic System (AUTO)
900839C Sigma 2/3 Computer Peripheral Devices
901124C Sigma 2 Diagnostic Binary Generator (2 Dibigen)
901127B Sigma 2 I/O Test Utility Program
901131D Sigma 2 Integral IOP and Write Direct Interface Test
901137E Sigma 2/3 External Interrupt
901558C Sigma 2/3 Relocatable Program Loader (Symbol and Extended Symbol)
901650C Sigma 2/3 Monitor
901666A Sigma 2/3 System Exerciser

Data Packages: 901655B PT14B Power Supply
901656B PT15B Power Supply
901657A PT16B Power Supply

Service Manual: 900912A PX28 Power Supply

Interface Manual: 900973D-1 XDS Sigma Computer System

Diagnostic Software Programs: 704000 Sigma 2 I/O Test Utility Program
704002 Sigma 2/3 CPU Interrupt Diagnostic
704006 Sigma 2 Integral IOP and WD Interface Test
704011 Sigma 2 CPU Diagnostic System (AUTO)
704030 Sigma 2 Diagnostic Binary Generator
705299 Sigma 2/3 Diagnostic Loader – Symbol and Extended Symbol
705716 Sigma 2/3 System Exerciser

**8011A01 TWO REAL-TIME CLOCKS
ASSEMBLY NO. 117616**

Diagnostic Manual: 901164E Sigma 2/3 Real-Time Clock Test

Diagnostic Software Program: 704139 Sigma 2/3 Real-Time Clock Test

**8013A01 POWER FAIL SAFE
ASSEMBLY NO. 117612**

Diagnostic Manual: 901160D Sigma 2/3 Power Fail Safe Test

Diagnostic Software Program: 704140 Sigma 2/3 Power Fail Safe Test

**8014A01 PROTECTION FEATURE
ASSEMBLY NO. 133427**

Diagnostic Manual: 901605C Sigma 2/3 Memory Protect Test

Diagnostic Software Program: 705528 Sigma 2/3 Memory Protect Program

**8021A01 CONTROL CHASSIS, PRIORITY INTERRUPT
ASSEMBLY NO. 117330**

Engineering Support Manual: 902301B 8021/8221/8421 External Interrupt

Diagnostic Manual: 901137E Sigma 2/3 External Interrupt

Diagnostic Software Program: 704002 Sigma 2/3 CPU Interrupt Diagnostic

**8050A01 EXTERNAL MEMORY ADAPTER, TYPE II
ASSEMBLY NO. 134893**

Engineering Support Manual: 902302A 8050 Memory Adapter, II

Diagnostic Software Program: 704449 Sigma 2 8050 External Memory Adapter

**8051A01 MEMORY MODULE, 4096 WORDS, 4K BASIC
ASSEMBLY NO. 132712**

Engineering Support Manual: 902303A-2 Sigma 2 Memory 8051

Diagnostic Manual: 900676D Sigma 2/3 Memory (8K) Test (Medic 2) (Modules)

Tek Tips: 65-69-17 Handling of HQ10/HQ11 Modules
65-76-M-S06B Sigma 2 Extended Memory Adapter

Diagnostic Software Program: 704022 Sigma 2/3 Memory (7-8K) Test Medic 23

**8054A01 EXTERNAL MEMORY ADAPTER, TYPE I
ASSEMBLY NO. 134877**

Engineering Support Manual: 902304A Memory Adapter, I

**8072A01 WATCHDOG TIMER ASSEMBLY
ASSEMBLY NO. 149584**

Engineering Support Manual: 902305A-1 8072 Watchdog Timer

Diagnostic Manual: 901571B Sigma 2 Watchdog Timer Test

Diagnostic Software Program: 705356 Sigma 2 Watchdog Timer Test

**8091A01 FIRST (ONLY) KEYBOARD/PRINTER, 35KSR
ASSEMBLY NO. 133182**

Diagnostic Manuals: 901619B Sigma 2/3 ASR/KSR Test
901163C Sigma 2/3 Keyboard/Printer ASR/KSR Test
901672A 7012/7014/7021/8092 Sigma Keyboard/Printer KSR/ASR

Diagnostic Software Programs: 704015 Sigma 2/3 Keyboard/Printer Test
705652 Sigma 2/3 ASR/KSR Test

**8092A01/B01/A02/B02 KEYBOARD/PRINTER WITH PAPER TAPE READER PUNCH
ASSEMBLY NOS. 130978, 152932, 153511, 154390**

Engineering Support Manual: 902324A 7020/7021/8092 ASR Device

Diagnostic Manuals: 901619B Sigma 2/3 ASR/KSR Test
901163C Sigma 2/3 Keyboard/Printer ASR/KSR Test
901672A 7012/7014/7021/8091/8092 Sigma Keyboard/Printer KSR/ASR

Diagnostic Software Programs: 704015 Sigma 2/3 Keyboard/Printer Test
705652 Sigma 2/3 ASR/KSR Test

**8101A01 SIGMA 3 WITH 8K MEMORY, 4 CHANNELS, 1 PORT
ASSEMBLY NO. 153253-001**

- Reference Manuals:** 901052E Sigma 2/3 Computer – Xerox Extended Symbol
901806A Xerox ANS – Fortran IV – Sigma 3 Reference Manual
901592C Sigma 3 Computer
- Technical Manuals:** 900866A PT18 Power Supply
900867B PT19 Power Supply
901140A-1 PT10 Power Supply
901157A PT20 Power Supply
901593A Sigma 3 CPU
901594A Sigma 3 Core Memory
901614A PT25 Power Supply
- Engineering Support Manuals:** 902400B-1 Sigma 3 CPU
902401A Sigma 3 Core Memory
- Diagnostic Manuals:** 900676D Sigma 2/3 Memory (8K) Test (Medic 2)
900839C Control Program Sigma 2/3 Computer Peripheral Devices
901137E Sigma 2/3 External Interrupt
901558C Sigma 2/3 Relocatable Diagnostic Program Loader
901604B Sigma 3 Memory Diagnostic Fault Loader
901605C Sigma 2/3 Memory Protect Test
901608C Sigma 3 CPU Diagnostic (AUTO)
901615B Sigma 3 Multi-Port Memory Random Exerciser
901650C Sigma 2/3 Diagnostic Program Monitor
901666A Sigma 2/3 System Exerciser, DPM
- Data Packages:** 901655B PT14B Power Supply
901656B PT15B Power Supply
901657A PT16B Power Supply
901658A PT17B Power Supply
- Miscellaneous Manuals:** 900912A PT28 Power Supply Service Manual
900973D-1 XDS Sigma Computer Systems User's Manual
- Diagnostic Software Programs:** 704002 Sigma 2/3 CPU Interrupt Diagnostic
704022 Sigma 2/3 Memory (7-8K) List Medic 23
705299 Sigma 2/3 Diagnostic Loader Symbol and Extended Symbol
705528 Sigma 2/3 Memory Protect Program
705529 Sigma 3 Memory Diagnostic Fault Locator
705530 Sigma 3 CPU AUTO Diagnostic
705672 Sigma 3 Multiple Port Memory Random Exerciser
705716 Sigma 2/3 System Exerciser

**8102A01 Sigma 3 WITH 8K OF MEMORY EIOP, 8 CHANNELS, 2 PORTS
ASSEMBLY NO. 153253-001**

NOTE: Documentation the same as 8101A01

**8105A01 INTEGRAL IOP, SIGMA 3
ASSEMBLY NO. 148747**

Diagnostic Manual: 901659A Sigma 3 EIOP Test

Diagnostic Software Program: 705690 Sigma 3 Integral IOP Test

**8111A01 TWO REAL-TIME CLOCKS, SIGMA 3
ASSEMBLY NO. 148736**

Diagnostic Manual: 901164E Sigma 2/3 Real-Time Clock Test

Diagnostic Software Program: 704139 Sigma 2/3 Real-Time Clock Test

**8113A01 POWER FAIL SAFE, SIGMA 3
ASSEMBLY NO. 148741**

Diagnostic Manual: 901160D Sigma 2/3 Power Fail Safe

Diagnostic Software Program: 704140 Sigma 2/3 Power Fail Safe Test

**8114A01 FAULT/INTERRUPT AND MEMORY PROTECT FEATURE
ASSEMBLY NO. 148746**

Diagnostic Manual: 901605C Sigma 2/3 Memory Protect Test

Diagnostic Software Program: 705528 Sigma 2/3 Memory Protect Program

**8119A01 ARITHMETIC FEATURE, EXTERNAL, SIGMA 3
ASSEMBLY NO. 148735**

Diagnostic Manual: 901589B Sigma 3 CPU Diagnostic Extended Arithmetic

Diagnostic Software Program: 705386 Sigma 3 Extended Arithmetic Option

**8121A01 INTERRUPT CONTROL CHASSIS, PRIORITY
ASSEMBLY NO. 117330**

Diagnostic Manual: 901137E Sigma 2/3 External Interrupt

Diagnostic Software Program: 704002 Sigma 2/3 CPU Interrupt Diagnostic

**8150A01 MEMORY ADAPTER, MULTI-PORT MEMORY
ASSEMBLY NO. 166014**

Engineering Support Manual: 902418B Keyboard Printer Device

Interface Manual: 900973D-1 XDS Sigma Computer Systems

Diagnostic Software Programs: 705893 Sigma 3 8150 Mini Test
705894 Sigma 3 Medic 8150 (Memory Diagnostic for 8150)

**8151A01/B01/C01 ADDITIONAL 8K MEMORY, BASIC 8K BMU
ASSEMBLY NOS. 153259, 153259, 149401**

Engineering Support Manual: 902401B Sigma 3 Core Memory

Diagnostic Manuals: 900676D Sigma 2/3 Memory (8K) Test (Medic)
901604B Sigma 3 Memory Diagnostic Fault Locator

Diagnostic Software Programs: 704022 Sigma 2/3 Memory (7-8K) Test Medic
705529 Sigma 3 Memory Diagnostic Fault Locator

**8155A01/B01/C01/D01/E01/F01/G01 MEMORY PORT EXPANSION
ASSEMBLY NOS. 158910 (A01/B01/C01), 149403 (D01/E01), 149404 (F01/G01)**

Engineering Support Manual: 902401B Sigma 3 Core Memory

Diagnostic Manual: 901615B Sigma 3 Multi-Port Memory Random Exerciser

Diagnostic Software Program: 705672 Sigma 3 Multi-Port Memory Random Exerciser

**8171A01 EXTERNAL IOP, EOP ASSEMBLY
ASSEMBLY NO. 148557**

Technical Manual: 901595A Sigma 3 External I/O Processor

Engineering Support Manual: 902402A Sigma 3 EIOP

Diagnostic Manual: 901646B Sigma 3 EIOP Test Program

Diagnostic Software Program: 705679 Sigma 3 EIOP Test Program

**8191A01/B01 FIRST KEYBOARD/PRINTER, 50 Hz, 35/KSR
ASSEMBLY NO. 133182**

Reference Manual: 901672A 7012/7014/7021/8091/8092 Sigma Keyboard Printer KSR/ASR

Technical Manual: 901183B 8091 Keyboard/Printer Set (KSR)

Engineering Support Manual: 902321A 7012/7014/8091 KSR Device

Diagnostic Manual: 901619C Sigma 2/3 ASR/KSR Test

Diagnostic Software Program: 705652 Sigma 2/3 ASR/KSR Test

**8192A01/B01 FIRST KEYBOARD/PRINTER WITH PAPER TAPE READER/PUNCH, 50 Hz, 35 ASR
ASSEMBLY NO. 153511**

Reference Manual: 901672A 7012/7014/7021/8091/8092 Sigma Keyboard Printer KSR/ASR

Engineering Support Manuals: 902323B 8292/8492 Multiply/Add Unit CFE
902406B Keyboard Printer and Keyboard Printer with Paper Tape Controller

Diagnostic Manual: 901619C Sigma 2/3 ASR/KSR Test Diagnostic

Diagnostic Software Program: 705652 Sigma 2/3 ASR/KSR List

**8195M01/M02/M03 MAG TAPE MASTER, 60 KB, 75 IPS
ASSEMBLY NOS. 156649, 147431, 158571**

Reference Manual: 900977C 9-Track Magnetic Tape System – Model 7211/7212 for XDS Sigma Computers

Technical Manuals: 901083A 7321 Mag Tape Controller
901084B Magnetic Tape Station Model 7322
901561A 7320 Mag Tape Controller
901707A 7322 Mag Tape Station

Engineering Support Manuals: 902355D Mag Tape Controller 7320
902356B Mag Tape Controller 7321
902357A 7322 Mag Tape Station, Vol. I and Vol. II

Diagnostic Manuals: 901166E Sigma 2/3 Mag Tape Test
901722A Sigma 2/3 9-Channel Magnetic Tape System Test

Diagnostic Software Programs: 704021 Sigma 2/3 Magnetic Tape Test
705866 Sigma 2/3 9-Channel Magnetic Tape Test

**8196S01/S02/S03 MAG TAPE SLAVE
ASSEMBLY NOS. 156650, 147282, 158572**

Reference Manual: 900977C 9-Track Magnetic Tape Systems Models 7320/7322/7323

Technical Manuals: 901084B Magnetic Tape Station Model 7322
901707A 7322 Magnetic Tape Station

Engineering Support Manual: 902357A 7322 Magnetic Tape Station, Vol. I and Vol. II

Diagnostic Manual: 901166E Sigma 2/3 Mag Tape Test (9-channel)

Diagnostic Software Program: 704021 Sigma 2/3 Mag Tape Test (9-channel)

8201A01/8202A01 SIGMA 5 CENTRAL PROCESSOR UNIT WITH OR WITHOUT IIOP ASSEMBLY NOS. 117282, 117282

Reference Manual: 900959D Sigma 5 Computer

Technical Manuals: 900866A PT18 Power Supply
900867B PT19 Power Supply
901078B PT14/PT15 Power Supply
901080B PT16 Power Supply
901140A-1 PT10 Power Supply
901157A PT20 Power Supply
901172A Sigma 5 Computer
901079A PT17 Power Supply
901614A PT25 Power Supply

Engineering Support Manuals: 902306B Vol. IA Sigma 5 CPU Model 8201
902306B Vol. IIA Sigma 5 CPU Model 8201

Diagnostic Manuals: 900712B Sigma 5/7 Computer Peripheral Devices
900870D Sigma 5/7 CPU (Verify)
900891D Sigma 5/7 CPU Diagnostic System (Pattern)
900972D Sigma 5/7 Relocatable Diagnostic Program Loader
901076C-1 Sigma 5/7 System Test Monitor
901136F Sigma 5/7 Real-Time Clock Test
901161B Sigma 5 Integral IOP Channel Test
901519C Sigma 5 CPU Diagnostic Program (Suffix)
901523E Sigma 5 CPU Program Test (AUTO)
901572C Sigma 5/7 Memory Environment Test
901584B Sigma 5/7 CPU Format Converter/CPU Loader Doc
901648B Sigma 5/7 Stand-Alone Exercise (Swap 3-Z)
901649C Sigma 5/7 Diagnostic Program Monitor

Data Packages: 901655B PT14B Power Supply
901656B PT15B Power Supply
901657A PT16B Power Supply
901658A PT17B Power Supply

Miscellaneous Manuals: P/M C/M Manual: 901717A-1
900973D-1 XDS Sigma Computer Systems Interface Manual
900912A P28 Power Supply Service Manual
901737A Sigma 5/7 New Systems Exerciser User's Manual

Diagnostic Software Programs: 704017 Sigma 5/7 Real-Time Clock Test
704018 Sigma 5 Integral IOP Channel Test Program
704029 Sigma 5/7 Format Converter – CPU Loader Doc
704042 Sigma 5/7 CPU Diagnostic Systems (Verify)
704043 Sigma 5/7 CPU Diagnostic System (Pattern)
704070 Sigma 5/7 Diagnostic Control Program (DCP)
704138 Sigma 5/7 System Test (Seva) Monitor
704174 Sigma 5 CPU Diagnostic (Suffix)
704287 Sigma 5 CPU Diagnostic – AUTO
704355 Sigma 5/7 Memory Environmental Test (Met 75)
704356 Sigma 5/7 Relocatable Diagnostic Program Loader
705390 Sigma 5/7 Multi-Processor Exerciser

705680 Sigma 5/7 Stand-Alone System Exerciser (SWAP 3.2)
705889 Sigma 5/7 New System Exerciser
706146 Sigma 5/7 Super SWAP

**8211A01 TWO ADDITIONAL REAL-TIME CLOCKS
ASSEMBLY NO. 117616**

Diagnostic Manual: 901136F Sigma 5/7 Real-Time Clock Test

Diagnostic Software Program: 704017 Sigma 5/7 Real-Time Clock Test

**8213A01 POWER FAIL SAFE
ASSEMBLY NO. 117612**

Diagnostic Manual: 901135C Sigma 5/7 Power Fail Safe Test

Diagnostic Software Program: 704122 Sigma 5/7 Power Fail Safe Test

**8214A01 MEMORY PROTECT
ASSEMBLY NO. 134101**

Diagnostic Manual: 901516B Sigma 5/7 CPU Diagnostic Program (Memory Protect)

Tek Tip: 65-76-S15 Memory Integration, Model 8251/8451

Diagnostic Software Program: 704062 Sigma 5/7 Memory Protect Diagnostic

**8216A01 REGISTER BLOCK
ASSEMBLY NO. 117621**

Engineering Support Manual: 902307A-1 8216/8416 Register Block

**8218A01 FLOATING POINT ARITHMETIC
ASSEMBLY NO. 134099**

Diagnostic Manual: 900898D Sigma 5/7 Float

Engineering Support Manual: 902309B 8218 Floating Point

Diagnostic Software Program: 704046 Sigma 5/7 CPU Diagnostic System

**8221A01 INTERRUPT CONTROL CHASSIS, PRIORITY INTERRUPT
ASSEMBLY NO. 117330**

Diagnostic Manual: 901134D Sigma 5/7 Interrupt Test

Engineering Support Manual: 902301B 8021/8221/8421 External Interrupt

Diagnostic Software Program: 704143 Sigma 5/7 Interrupt Diagnostic (ID)

**8251A01 MEMORY MODULE, 4096 WORDS, 4K BASIC
ASSEMBLY NO. 132546**

Technical Manual: 901586A 8251/8451 Sigma Memory

Engineering Support Manual: 902308A Sigma 5/7 Memory

Diagnostic Manuals: 900825D Sigma 5/7 Memory (8K) Test (Medic 75) Preliminary
901071B Sigma 5/7 Memory Interleaving Test (MIT)
901687A Sigma 5/7 Memory Diagnostic Fault Locator

Diagnostic Software Programs: 704067 Sigma 5/7 Memory Diagnostic (Medic)
704121 Sigma 5/7 Memory Interleaving Test (MIT)
705736 Sigma 5/7 Memory Diagnostic Fault Locator

**8257A01 SIX-WAY ACCESS, 1 MEMORY
ASSEMBLY NO. 130625**

Engineering Support Manual: 902310A Six-Way Memory Access

**8261A01 BASIC MEMORY MODULE, 8K
ASSEMBLY NO. 154418**

Technical Manuals: 901673A Sigma 5/7 Core Memory 1

Engineering Support Manual: 902407A 8261A01/8461A01 Sigma 5/7 Basic Memory System

Diagnostic Manuals: 900825D Sigma 5/7 Memory (8K) Test (Medic 75) Preliminary
901071B Sigma 5/7 Memory Interleaving Test (MIT)
901516B Sigma 5/7 CPU Diagnostic Program (Memory Protect)
901572C Sigma 5/7 Memory Environmental Test
901687A Sigma 5/7 Memory Diagnostic Fault Locator
901696A Sigma 5/7 Computer Multiple Port Memory Test

Data Package: 901695A PT-30 Power Supply Assembly

Diagnostic Software Programs: 704121 Sigma 5/7 Memory Interleaving Test
704062 Sigma Memory Protect Diagnostic
704067 Sigma 5/7 Diagnostic (Medic 75)
705355 Sigma 5/7 Memory Environmental Test (Met 75)
705736 Sigma 5/7 Memory Diagnostic – Fault Loader
705778 Sigma 5/7 New Memory – Multiple Port Memory Test

**8271A01 MULTIPLEXER INPUT/OUTPUT PROCESSOR (MIOP)
ASSEMBLY NO. 117610**

Technical Manual: 901515A 8271/72, 8471/72 Multiplexer IOP

Engineering Support Manual: 902311A Multiplexer IOP

Diagnostic Manual: 901126B Sigma 5/7 Multiplexing IOP

Diagnostic Software Program: 704057 Sigma 5/7 Multiplex IOP

**8273A01/A02 MULTIPLEXER INPUT/OUTPUT PROCESSOR (MIOP), SIGMA 5
ASSEMBLY NOS. 148255, 154560**

Technical Manual: 901548A 8273/8473 MIOP

Engineering Support Manuals: 902403C 8273/8473 MIOP
902405A Sigma Maintenance Subcontroller
902409A 8273/8473 MIOP

Diagnostic Manuals: 901554D Sigma 5/7 4-Bit MIOP Test
901668A Sigma 5/7 Maintenance Subcontroller Self Test
901669A Sigma 5/7 MIOP Maintenance Subcontroller

Diagnostic Software Programs: 705292 Sigma 5/7 4-Byte MIOP Test
705721 Sigma 5/7 4-Byte MIOP
705723 Sigma 5/7 Maintenance Subcontroller Self Test

**8277A01/A02 BUS SHARING MIOP ASSEMBLY, SIGMA 5
ASSEMBLY NOS. 153402, 159803**

Engineering Support Manual: 902409A 8273/8473 Multiplexer IOP ESM

Diagnostic Manuals: 901668A Sigma 5/7 Maintenance Subcontroller Self Test
901669A Sigma 5/7 4-Bit MIOP Maintenance Subcontroller

Diagnostic Software Programs: 705721 4-Byte MIOP Diagnostic (MS)
705723 Sigma 7 Maintenance Subcontroller Self Test

**8285A01/A02 SELECTOR INPUT/OUTPUT PROCESSOR (SIOP)
ASSEMBLY NOS. 117620, 155126**

Technical Manual: ~~901195A 8285/8485 Selector I/O Processor (SIOP)~~

Engineering Support Manuals: 902312A 8285/8485 Selector IOP
902405A Sigma Maintenance Subcontroller
902414A 8285A02/8485A02 Selector I/O Processor

Diagnostic Manuals: 901158C Sigma 5/7 Selector IOP Channel Test
901668A Sigma 5/7 Maintenance Subcontroller Self Test
901670A Sigma 5/7 SIOP Maintenance Subcontroller

Diagnostic Software Programs: 704788 Sigma 5/7 Selector IOP Test Program
705722 Sigma 5/7 SIOP Diagnostic (MS)
705723 Maintenance Subcontroller Self Test

**8291A01 CORRELATION AND FILTERING UNIT, 3-CONTROL SECTION, CFE-3
ASSEMBLY NO. 139237**

Engineering Support Manual: 902313A Correlation and Filtering Unit

Diagnostic Manual: 901535C Sigma 5/7 CFE-3 Test

Diagnostic Software Program: 704340 Sigma 5/7 CFE-3 Test

**8292A01 TWO CORRELATION AND FILTERING UNITS, MULTIPLY-ADD SECTION
ASSEMBLY NO. 139228**

Engineering Support Manual: 902323B 8292/8492 Multiply/Add Unit CFE

Diagnostic Manual: 901535C Sigma 5/7 CFE-3 Test

Diagnostic Software Program: 704340 Sigma 5/7 CFE-3 Test

8301A01 SIGMA 6 COMPUTER SYSTEM WITH 32K WORDS OF 2-PORT MEMORY ASSEMBLY NO. 117307

Reference Manual: 901713A Sigma 6 Computer

Technical Manuals: 900866A PT18 Power Supply
900867B PT19 Power Supply
901060B Sigma 7 Computer
901078B PT14/PT15 Power Supply
901079A PT17 Power Supply
901080B PT16 Power Supply
901140A-1 PT10 Power Supply
901157A PT20 Power Supply
901614A PT25 Power Supply

Engineering Support Manual: 902314C (Vol. I and II) 8401 Sigma 7 CPU

Diagnostic Manuals: 900712B Controlled Program for Sigma 5/7 Computer Peripheral Devices
900870D Sigma 5/7 CPU (Verify)
900872D Sigma 7 Diagnostic Program (AUTO)
900891D Sigma 5/7 CPU Diagnostic System (Pattern)
900893C Sigma 7 Suffix
900972D Sigma 5/7 Relocatable Diagnostic Program Loader
901076C-1 Sigma 5/7 System Test Monitor
901136F Sigma 5/7 Real-Time Clock Test
901572C Sigma 5/7 Memory Environment Test
901584B Sigma 5/7 CPU Format Converter/CPU Loader Doc
901648B Sigma 5/7 Stand-Alone Exerciser (SWAP 3.2)
901649C Sigma 5/7 Program Monitor

Data Packages: 901655B PT14B Power Supply
901656B PT15B Power Supply
901657A PT16B Power Supply
901658A PT17B Power Supply

Miscellaneous Manual: 901737A Sigma 5/7 New Systems Exerciser User's Manual

Service Manual: 900912A PX28 Power Supply

Interface Manual: 900973D-1 XDS Sigma Computer System Interface

Diagnostic Software Programs: 704017 Sigma 5/7 Real-Time Clock Test
704029 Sigma 5/7 Format Converter-CPU Loader Doc
704042 Sigma 5/7 CPU Diagnostic System (Verify)
704043 Sigma 5/7 CPU Diagnostic System (Pattern)
704044 Sigma 7 CPU Diagnostic System (AUTO)
704045 Sigma 7 CPU Diagnostic System (Suffix)
704070 Sigma 5/7 Diagnostic Control Program (DCP)
704138 Sigma 5/7 System Test (Seva) Monitor
704356 Sigma 5/7 Relocatable Diagnostic Program Loader
705355 Sigma 5/7 Memory Environmental Test (Met 75)
705390 Multi-Processor Exerciser
705680 Sigma 5/7 Stand-Alone System Exerciser (SWAP 3.2)
705889 Sigma 5/7 New System Exerciser
706146 Sigma 5/7 Super SWAP

8310A01 SIGMA 6 COMPUTER SYSTEM WITH 32K WORDS OF 2-PORT MEMORY

NOTE: Documentation the same as 8301A01

**8311A01 TWO ADDITIONAL REAL-TIME CLOCKS
ASSEMBLY NO. 117616**

Diagnostic Manual: 901136F Sigma 5/7 Real-Time Clock Test

Diagnostic Software Program: 704017 Sigma 5/7 Real-Time Clock Test

**8316A01 ADDITIONAL REGISTER BLOCK, HIGH SPEED REGISTER PAGE
ASSEMBLY NO. 117621**

Engineering Support Manual: 902307A-1 Additional Register Block

**8318A01 FLOATING POINT ARITHMETIC
ASSEMBLY NO. 117611**

Diagnostic Manual: 900898D Sigma 5/7 Float Diagnostic

Diagnostic Software Program: 704046 Sigma 5/7 CPU Diagnostic System (FLOAT)

**8321A01 INTERRUPT CONTROL CHASSIS, PRIORITY INTERRUPT
ASSEMBLY NO. 117330**

Engineering Support Manual: 902301B 8021/8221/8421 External Interrupt

Diagnostic Manual: 901134D Sigma 5/7 Interrupt Test

Diagnostic Software Program: 704143 Sigma 5/7 interrupt Diagnostic

8370A01 MULTIPLEXING IOP

Technical Manual: 901548A 8273/8473 MIOP

Engineering Support Manuals: 902403C 8273/8473 MIOP
902405A Sigma Maintenance Subcontroller
902409A 8273/8473 Multiplexer IOP

Diagnostic Manuals: 901554D Sigma 5/7 4-Bit MIOP Test Program
901668A Sigma 5/7 Maintenance Subcontroller Self Test
901669A Sigma 5/7 4-Bit MIOP Maintenance Subcontroller

Diagnostic Software Programs: 705292 Sigma 5/7 4-Byte MIOP Test
705721 Sigma 5/7 4-Byte MIOP
705723 Sigma 5/7 Maintenance Subcontroller Self Test

- 8380A01/B01/C01/D01 COMMUNICATION CONTROLLER WITH 4 LINES 5/7.5
ASSEMBLY NO. 182635, 182636, 182637, 182638**

Engineering Support Manual: 902373A Line Interface Option

- 8385A01/A02 SELECTOR INPUT/OUTPUT PROCESSOR CHASSIS
ASSEMBLY NOS. 117620, 155126**

Technical Manual: 901195A 8285/8485 Selector I/O Processor (SIOP)

Engineering Support Manuals: 902312A 8285/8485 Selector IOP
902405A Sigma Maintenance Subcontroller
902414A 8285A02/8485A02 Selector I/O Processor

Diagnostic Manuals: 901158C Sigma 5/7 Selector IOP Channel Test
901670A Sigma 5/7 SIOP Subcontroller Self Test
901668A Sigma 5/7 Maintenance Subcontroller Self Test

Diagnostic Software Programs: 704788 Sigma 5/7 Selector IOP Test Program
705722 Sigma 5/7 SIOP Diagnostic (MS)
705723 Maintenance Subcontroller Self Test

**8401A01 SIGMA 7 CENTRAL PROCESSOR UNIT
ASSEMBLY NO. 117307**

Reference Manual: 900950I Sigma 7 Computer

Technical Manuals: 900866A PT18 Power Supply
900867B PT19 Power Supply
901060B Sigma 7 Computer
901078B PT14/PT15 Power Supply
901079A PT17 Power Supply
901080B PT16 Power Supply
901140A-1 PT10 Power Supply
901157A PT20 Power Supply
901614A PT25 Power Supply

Engineering Support Manual: 902314C 8401 Sigma 7 CPU, Vol. I and Vol. II

Diagnostic Manuals: 900712B Controlled Program for Sigma 5/7 Computer Peripheral Devices
900870D Sigma 5/7 CPU (Verify)
900872D Sigma 7 Diagnostic Program (AUTO)
900891D Sigma 5/7 CPU Diagnostic System (Pattern)
900893C Sigma 7 Suffix
900972D Sigma 5/7 Relocatable Diagnostic Program Loader
901076C-1 Sigma 5/7 System Test Monitor
901136F Sigma 5/7 Real-Time Clock Test
901572C Sigma 5/7 Memory Environment Test
901584B Sigma 5/7 CPU Format Converter/CPU Loader Doc
901648B Sigma 5/7 Stand-Alone Exerciser (SWAP 3.2)
901649C Sigma 5/7 Program Monitor

Data Packages: 901655B PT14B Power Supply
901656B PT15B Power Supply
901657A PT16B Power Supply
901658A PT17B Power Supply

Miscellaneous Manuals: 901737A Sigma 5/7 New Systems Exerciser User's Manual

Service Manual: 900912A PX28 Power Supply

Interface Manual: 900973D-1 XDS Sigma Computer System Interface

Diagnostic Software Programs: 704017 Sigma 5/7 Real-Time Clock Test
704029 Sigma 5/7 Format Converter/CPU Loader Doc
704042 Sigma 5/7 CPU Diagnostic System (Verify)
704043 Sigma 5/7 CPU Diagnostic System (Pattern)
704044 Sigma 7 CPU Diagnostic System (AUTO)
704045 Sigma 7 CPU Diagnostic System (Suffix)
704070 Sigma 5/7 Diagnostic Control Program (DCP)
704138 Sigma 5/7 System Test (Seva) Monitor
704356 Sigma Relocatable Diagnostic Program Loader
705355 Sigma Memory Environmental Test (Met 75)
705390 Multi-Processor Exerciser
705680 Sigma Stand-Alone System Exerciser (SWAP 3.2)
705889 Sigma New System Exerciser
706146 Sigma 5/7 Super SWAP

- 8411A01 TWO ADDITIONAL REAL-TIME CLOCKS
ASSEMBLY NO. 117616**
 - Diagnostic Manual: 901136F Sigma 5/7 Real-Time Clock Test
 - Diagnostic Software Program: 704017 Sigma 5/7 Real-Time Clock Test

- 8413A01 POWER FAIL SAFE
ASSEMBLY NO. 117612**
 - Diagnostic Manual: 901135C Sigma 5/7 Power Fail Safe Test
 - Diagnostic Software Program: 704122 Sigma 5/7 Power Fail Safe Test

- 8414A01 MEMORY PROTECT
ASSEMBLY NO. 117617**
 - Diagnostic Manual: 901516B Sigma 5/7 CPU Diagnostic Program (Memory Protect)
 - Diagnostic Software Program: 704062 Sigma 5/7 Memory Protect Diagnostic

- 8415A01 MEMORY MAP
ASSEMBLY NO. 117615**
 - Diagnostic Manual: 900920D Sigma 7 Map
 - Diagnostic Software Program: 704048 CPU Diagnostic Sup. (MAP)

- 8416A01 ADDITIONAL REGISTER BLOCK
ASSEMBLY NO. 117621**
 - Engineering Support Manual: 902307A 8216/8416 Register Block

- 8418A01 FLOATING POINT ARITHMETIC
ASSEMBLY NO. 117611**
 - Diagnostic Manual: 900898D Sigma 5/7 Float Diagnostic
 - Diagnostic Software Program: 704046 Sigma 5/7 CPU Diagnostic System (FLOAT)

- 8419A01 DECIMAL ARITHMETIC
ASSEMBLY NO. 117613**
 - Technical Manual: 901587A 8419 Decimal Arithmetic Unit
 - Engineering Support Manual: 902315A-1 8419 Decimal Arithmetic
 - Diagnostic Manual: 900908C Sigma 7 Decimal
 - Diagnostic Software Program: 704047 CPU Diagnostic System (Decimal)

8421A01 INTERRUPT CONTROL CHASSIS, PRIORITY INTERRUPT ASSEMBLY NO. 117330

Engineering Support Manual: 902301B 8021/8221/8421 External Interrupt

Diagnostic Manual: 901134D Sigma 5/7 Interrupt Test

Diagnostic Software Program: 704143 Sigma 5/7 Interrupt Diagnostic (ID)

8451A01 MEMORY MODULE 4096 WORDS, 4K BASIC ASSEMBLY NO. 132546

Technical Manual: 901586A 8251/8451 Sigma Memory

Engineering Support Manual: 902308A Sigma 5/7 Memory

Diagnostic Manuals: 900825D Sigma 5/7 Memory (8K) Test (Medic 75) Preliminary
901071B Sigma 5/7 Memory Interleaving Test (MIT)
901687A Sigma 5/7 Memory Diagnostic Fault Locator

Diagnostic Software Programs: 704067 Sigma 5/7 Memory Diagnostic (MEDIC)
704121 Sigma 5/7 Memory Interleaving Test (MIT)
705736 Sigma 5/7 Memory Diagnostic Fault Locator

8457A01 SIX-WAY ACCESS, 1 MEMORY ASSEMBLY NO. 130625

Engineering Support Manual: 902310A Six-Way Access Memory

8461A01 BASIC MEMORY SYSTEM, 8K (Same as 8261A01) ASSEMBLY NO. 154418

Technical Manuals: 901673A Sigma 5/7 Core Memory

Engineering Support Manual: 902407A 8261A01/8461A01 Sigma 5/7 Basic Memory System

Diagnostic Manuals: 900825D Sigma 5/7 Memory (8K) Test (Medic 75) Preliminary
901071B Sigma 5/7 Memory Interleaving Test (MIT)
901516B Sigma 5/7 CPU Diagnostic Program (Memory Protect)
901572C Sigma 5/7 Memory Environment Test
901687A Sigma 5/7 Memory Diagnostic Fault Locator
901696A Sigma 5/7 Computer Multiple Port Memory Test

Data Package: 901695A PT-30 Power Supply Assembly

Tek Tip: 65-76-MS04B through 65-76-S16

Diagnostic Software Programs: 704062 Sigma Memory Protect Diagnostic
704067 Sigma 5/7 Diagnostic (Medic 75)
704121 Sigma 5/7 Memory Interleaving Test
705355 Sigma 5/7 Memory Environment Test (Met 75)
705736 Sigma 5/7 Memory Diagnostic Fault Loader
705778 Sigma 5/7 Sigma New Memory – Multiple Port Memory Test

**8471A01 MULTIPLEXER INPUT/OUTPUT PROCESSOR (MIOP)
ASSEMBLY NO. 117610**

Technical Manual: 901515A 8271/72, 8471/72 Multiplexer IOP

Engineering Support Manual: 902311A Multiplexer IOP

Diagnostic Manual: 901126B Sigma 5/7 Multiplexing IOP

Diagnostic Software Program: 704057 Sigma 5/7 Multiplex IOP

**8473A01/A02 MULTIPLEXER INPUT/OUTPUT PROCESSOR (MIOP), SIGMA 7
ASSEMBLY NOS. 148255, 154560**

NOTE: Documentation same as 8370A01

**8477A01/A02 BUS SHARING MIOP ASSEMBLY, SIGMA 7
ASSEMBLY NOS. 153402, 159803**

Engineering Support Manual: 902409A 8273/8473 Multiplexer IOP ESM

Diagnostic Manuals: 901668A Sigma 5/7 Maintenance Subcontroller Self Test
901669A Sigma 5/7 4-Bit MIOP Maintenance Subcontroller

Diagnostic Software Programs: 705721 4-Byte MIOP Diagnostic (MS)
705723 Sigma 7 Maintenance Subcontroller Self Test

**8485A01/A02 SELECTOR INPUT/OUTPUT PROCESSOR CHASSIS
ASSEMBLY NOS. 117620, 155126**

NOTE: Documentation same as 8385A01/A02

**8491A01 CORRELATION AND FILTERING UNIT, 3-CONTROL SECTION, CFE-3
ASSEMBLY NO. 139237**

Engineering Support Manual: 902313A Correlation and Filtering Unit

Diagnostic Manual: 901535C Sigma 5/7 CFE-3 Test

Diagnostic Software Program: 704340 Sigma 5/7 CFE-3 Test

**8492A01 TWO CORRELATION AND FILTERING UNITS, MULTIPLY/ADD SECTION
ASSEMBLY NO. 139228**

Engineering Support Manual: 902323B 8292/8492 Multiply/Add Unit CFE

Diagnostic Manual: 901535C Sigma 5/7 CFE-3 Test

Diagnostic Software Program: 704340 Sigma 5/7 CFE-3 Test

**8495A01 SYSTEM SUPERVISORY CONSOLE, FREE STANDING
ASSEMBLY NO. 127418**

Engineering Support Manuals: 902316A Supervisory Console

Diagnostic Manual: 901193C Sigma 7 Free-Standing Console Examiner (FACE)

Diagnostic Software Program: 704786 Sigma 7 Free-Standing Console Examiner (FACE)

SECTION 2
PERIPHERALS

**7010A01 KEYBOARD/PRINTER WITH CONTROLLER, 35/KSR
ASSEMBLY NO. 117401**

Reference Manuals: 901672A 7012/7014/7021/8091/8092 Sigma Keyboard Printer KSR/ASR
902318B 7010/7011 KSR Device

Technical Manual: 901065A Keyboard Printer Set (KSR) Model 7010

Engineering Support Manual: 902317A 7010 KSR Controller

Diagnostic Manuals: 901163C Sigma 2/3 Keyboard Printer KSR/ASR Test
901619B Sigma 2/3 ASR/KSR Test
901620A Sigma 5/7 Keyboard Printer (ASR/KSR) Test

Diagnostic Software Programs: 704015 Sigma 2/3 Keyboard Printer Test
705651 Sigma 5/7 ASR/KSR Test
705652 Sigma 2/3 ASR/KSR Test

**7012A01/A02/B01/B02 KEYBOARD/PRINTER/KSR/ASR WITH CONTROLLER 35/KSR
ASSEMBLY NOS. 133182, 133182, 152934, 152934**

Reference Manual: 901672A 7012/7014/7021/8091/8092 Sigma Keyboard Printer KSR/ASR

Technical Manuals: 901066A-1 7012/7020 KSR/ASR Controller, Vol. I
901066A-1 7012/7020 KSR/ASR Controller, Vol. II
901183B 8091 Keyboard/Printer Set (KSR)
902319A-1 7012 KSR Controller

Engineering Support Manuals: 902406B 7012A02/B02, 7020A02/B02, 8191A01/B01, 8192A01/B01
Keyboard Printer and Keyboard Display with Paper Tape Controller
902321-1 7012/7014/8091 KSR Device

Diagnostic Manuals: 901086B Sigma 5/7 Keyboard/Printer System Test
901163C Sigma 2/3 Keyboard Printer Test
901619B Sigma 2/3 ASR/KSR Test
901620A Sigma 5/7 Keyboard Printer (ASR/KSR) Test

Diagnostic Software Programs: 704015 Sigma 2/3 Keyboard Printer Test
704016 Sigma 5/7 Character Oriented Comm. Test
704350 Sigma 5/7 System Test, Keyboard/Printer
705651 Sigma 5/7 ASR/KSR Test
705652 Sigma 2/3 ASR/KSR Test

**7014A01/B01 KEYBOARD/PRINTER, SPARE MECHANISM FOR 7012/8091, 35 KSR
ASSEMBLY NOS. 133182,152934**

NOTE: Documentation same as 7012 and 8091

**7015A01/B01 REMOTE KEYBOARD/PRINTER, COMMUNICATIONS TTY
ASSEMBLY NOS. 137108, 152933**

Reference Manual: 901701A 7015/17/25/27 Communications Typewriter

Technical Manuals: 900928A 9234/9237/9239 OEM Teletypewriter Model 35 KSR/RO, Vol. I
900929A 9234/9237/9239 OEM Teletypewriter Model 35 KSR/RO, Vol. II

Engineering Support Manual: 902325A Remote Keyboard/Printer, 35/KSR

Miscellaneous Manuals: 900914A 9234/9237/9239/9438 (OEM) Send-Receive and Receive Only
Illustrated Parts Breakdown
900930A 9334/9339/9237/9239/9234 (OEM) Teletype Bulletin 1187B,
Model 35 ASR/KSR/RO Printer Parts List

Diagnostic Manuals: 901156F Sigma 5/7 Character Oriented Comm. Controller Test
901163C Sigma 2/3 Keyboard Printer KSR/ASR Test
901168E Sigma 2/3 Character Oriented Comm. Controller Test
901619C Sigma 2/3 ASR/KSR Test
901620A Sigma 5/7 Keyboard/Printer (ASR/KSR) Test

Diagnostic Software Programs: 704014 Sigma 2/3 Character Oriented Comm. Test
704015 Sigma 2/3 Keyboard Printer Test
704016 Sigma 5/7 Character Oriented Comm. Test
705651 Sigma 5/7 ASR/KSR Test
705652 Sigma 2/3 ASR/KSR Test

**7016A01/B01 REMOTE PRINTER, COMMUNICATIONS TTY, EIA INTERFACE
ASSEMBLY NOS. 137384, 152936**

Reference Manual: 901701A 7015/17/25/27 Communications Typewriter

Technical Manuals: 900928A 9234/9237/9239 OEM Teletypewriter Model 35 KSR/RO, Vol. I
900929A 9234/9237/9239 OEM Teletypewriter Model 35 KSR/RO, Vol. II

Engineering Support Manual: 902326A Remote Printer, 35/RO

Miscellaneous Manuals: 900914A 9234/9237/9239/9438 (OEM) Send-Receive and Receive Only
Illustrated Parts Breakdown
900930A 9334/9339/9237/9239/9234 (OEM) Teletype Bulletin 1187B,
Model 35 ASR/KSR/RO Printer Parts List

Diagnostic Manuals: 901156F Sigma 5/7 Character Oriented Comm. Controller Test
901163C Sigma 2/3 Keyboard Printer KSR/ASR Test
901168E Sigma 2/3 Character Oriented Comm. Controller Test
901619C Sigma 2/3 ASR/KSR Test
901620A Sigma 5/7 Keyboard/Printer (ASR/KSR) Test

Diagnostic Software Programs: 704014 Sigma 2/3 Character Oriented Comm. Test
704015 Sigma 2/3 Keyboard Printer Test
704016 Sigma 5/7 Character Oriented Comm. Test
705651 Sigma 5/7 ASR/KSR Test
705652 Sigma 2/3 ASR/KSR Test

**7017A01/B01 REMOTE KEYBOARD/PRINTER, COMMUNICATIONS TTY
ASSEMBLY NOS. 137109, 152931**

Reference Manual: 901701A 7015/17/25/27 Communications Typewriter

Technical Manuals: 900926A 9334/9339 OEM Automated Send-Receive Teletypewriter, Model 35 ASR
900928A 9234/9237/9239 OEM Teletypewriter Model 35 KSR/RO, Vol. I
900929A 9234/9237/9239 OEM Teletypewriter Model 35 KSR/RO, Vol. II

Engineering Support Manual: 902327A-01 7122/7140 Card Reader Controller

Miscellaneous Manuals: 900914A 9234/9237/9239/9438 (OEM) Send-Receive and Receive Only Illustrated Parts Breakdown
900930A 9334/9339/9237/9239/9234 (OEM) Teletype Bulletin 1187B, Model 35 ASR/KSR/RO Printer Parts List

Diagnostic Manuals: 901156F Sigma 5/7 Character Oriented Comm. Controller Test
901163C Sigma 2/3 Keyboard Printer KSR/ASR Test
901168E Sigma 2/3 Character Oriented Comm. Controller Test
901619C Sigma 2/3 ASR/KSR Test
901620A Sigma 5/7 Keyboard Printer (ASR/KSR) Test

Diagnostic Software Programs: 704014 Sigma 2/3 Character Oriented Comm. Test
704015 Sigma 2/3 Keyboard Printer Test
704016 Sigma 5/7 Character Oriented Comm. Test
705651 Sigma 5/7 ASR/KSR Test
705652 Sigma 2/3 ASR/KSR Test

**7020A01/A02/B01/B02 KEYBOARD/PRINTER WITH PAPER TAPE AND CONTROLLER
ASSEMBLY NOS. 130978, 153511, 152932, 154390**

Reference Manual: 901672A 7012/7014/7021/8091/8092 Sigma Keyboard/Printer KSR/ASR

Technical Manual: 901066A-1 7012/7020 KSR/ASR Controller (Vol. I and Vol. II)

Engineering Support Manuals: 902319A 7012 KSR Controller
902324A 7020/7021/8092 ASR Device
902415A 7020-02/7021-02/8192 Keyboard Printer with Paper Tape Device

Diagnostic Manuals: 901163C Sigma 2/3 Keyboard Printer (ASR/KSR) Test
901619B Sigma 2/3 ASR/KSR Test
901620A Sigma 5/7 Keyboard Printer (ASR/KSR) Test

Diagnostic Software Programs: 704015 Sigma 2/3 Keyboard Printer Test
705651 Sigma 5/7 ASR/KSR Test
705652 Sigma 2/3 ASR/KSR Test

**7021A01/A02/B01/B02 KEYBOARD/PRINTER, SPARE MECHANISM FOR 7020A01/8092B01,
35/ASR
ASSEMBLY NOS. 130978, 153511, 152932, 154390**

NOTE: Documentation same as 7020

**7025A01/B01 REMOTE KEYBOARD/PRINTER, COMMUNICATIONS TTY
ASSEMBLY NOS. 152125, 154789**

Reference Manual: 901701A 7025/17/25/27 Communications Typewriter

Technical Manuals: 900928A 9234/9339/9239 OEM Teletypewriter Model 35 KSR/RO, Vol. I
900929A 9234/9339/9239 OEM Teletypewriter Model 35 KSR/RO, Vol. II

Engineering Support Manual: 902328A Remote Keyboard/Printer (35/KSR)

Diagnostic Manuals: 901086B Sigma 5/7 Keyboard/Printer System Test
901156F Sigma 5/7 Character Oriented Comm. Controller Test
901163C Sigma 2/3 Keyboard Printer KSR/ASR Test
901168E Sigma 2/3 Character Oriented Comm. Controller Test
901619C Sigma 2/3 ASR/KSR Test
901620A Sigma 5/7 Keyboard Printer (ASR/KSR) Test

Diagnostic Software Programs: 704014 Sigma 2/3 Character Oriented Communication Test
704015 Sigma 2/3 Keyboard Printer Test
704016 Sigma 5/7 Character Oriented Communication Test
704350 Sigma 5/7 System Test, Keyboard/Printer
705652 Sigma 2/3 ASR/KSR Test
705651 Sigma 5/7 ASR/KSR Test

Miscellaneous Manuals: 900914A 9234/9237/9239/9438 (OEM) Send-Receive and Receive Only
Illustrated Parts Breakdown
900930A 9334/9339/9237/9239/9234 (OEM) Teletype Bulletin 1187B,
Model 35 ASR/KSR/RO Printer Parts List

**7026A01/B01 REMOTE PRINTER, COMMUNICATIONS TTY
ASSEMBLY NOS. 152135, 154788**

NOTE: Documentation same as 7025A01/B01 except:

Engineering Support Manual: 902329A Remote Printer (35/RO)

**7027A01/B01 REMOTE KEYBOARD/PRINTER, COMMUNICATIONS TTY
ASSEMBLY NOS. 152132, 154790**

NOTE: Documentation same as 7025/7026 except:

Engineering Support Manual: 902330A Remote Keyboard/Printer with Paper Tape (35/ASR)

Technical Manual: 900926A 9334/9339 (OEM) Automatic Send-Receive Teletypewriter Set,
Model 35 ASR

**7060A01/A02 PAPER TAPE STATION (7061A02/7063A02/7064A02 AND MISC.)
ASSEMBLY NO. , 152499**

Reference Manual: 900983B Sigma Paper Tape Input/Output System Model

Technical Manuals: 901070A-3 7060 Paper Tape Station
901569A 7060 Paper Tape Station (Modified)

Engineering Support Manual: 902331B Paper Tape Controller, Vol. I and Vol. II

Diagnostic Manuals: 901122B Sigma 5/7 Paper Tape Reader/Punch System
901132E Sigma 5/7 Paper Tape Reader/Punch Test
901155C Sigma 2/3 Paper Tape Reader/Punch Test

PM/CM Manual: 901717A-1 Preventive and Corrective Maintenance Manual

Tek Tip: 65-63-03 Photoreader Test Routine (For 9-Series)

Diagnostic Software Programs: 704024 Sigma 2/3 Paper Tape Reader/Punch Test
704069 Sigma 5-9 Paper Tape Reader/Punch Test
704355 Sigma 5/7 System Test, Paper Tape Reader/Punch (BL)

Miscellaneous Manuals: 900572 9135/92340 Tape Spooler, Operation and Maintenance Manual
900573 9131/9230/9330/92340 Tape Reader Operation and Maintenance Manual

**7061A01/A02 PAPER TAPE EQUIPMENT CABINET
ASSEMBLY NOS. , 158009**

Reference Manual: 900983B Sigma Paper Tape/Output System Model 7060

Technical Manual: 901569A 7060 Paper Tape Station (Modified)

Engineering Support Manual: 902331B Paper Tape Controller 7061, Vol. I and Vol. II

Diagnostic Manuals: 901122B Sigma 5/7 Paper Tape Reader/Punch System
901132E Sigma 5/7 Paper Tape Reader/Punch Test
901155C Sigma 2/3 Paper Tape Reader/Punch Test

Diagnostic Software Programs: 704024 Sigma 2/3 Paper Tape Reader/Punch Test
704069 Sigma 5-9 Paper Tape Reader/Punch Test
704355 Sigma 5/7 System Test, Paper Tape Reader/Punch (BL)

**7062A01/A02 PAPER TAPE READER, 300 CPS
ASSEMBLY NOS. 127708, 149263**

NOTE: Documentation same as 7060 except:

Data Package: 901590B 94400 Floating Point Unit, Vol. I and Vol. II

**7063A01/A02 PAPER TAPE PUNCH, 120 CPS
ASSEMBLY NOS. 127776, 149291**

Reference Manual: 900983B Sigma Paper Tape Input/Output System

Technical Manuals: 901070A-3 7060 Paper Tape Station
901569A 7060 Paper Tape Station (Modified)

Engineering Support Manual: 902331B Paper Tape Controller

Diagnostic Manuals: 901122B Sigma 5/7 Paper Tape Reader/Punch System Test
901132E Sigma 5/7 Paper Tape Reader/Punch Test
901155C Sigma 2/3 Paper Tape Reader/Punch Test

Diagnostic Software Programs: 704024 Sigma 2/3 Paper Tape Reader/Punch Test
704069 Sigma 5-9 Paper Tape Reader/Punch Test
704355 Sigma 5/7 System Test, Paper Tape Reader/Punch (BL)

Miscellaneous Manuals: 900572A 9135/92340 Tape Spooler, Operation and Maintenance Manual
900573A 9131/9230/9330/92340 Tape Reader, Operation and Maintenance Manual

**7120A01 CARD READER STATION (400 CPM)
ASSEMBLY NO. 124796**

Reference Manual: 900970E 7120/22/40 Card Reader for Sigma Computers

Technical Manual: 901068B 7120 Card Reader

Engineering Support Manuals: 902394A-01 7120 Card Reader Control
902395A-01 7120 Card Reader Device

Diagnostic Manuals: 901121B Sigma 5/7 Card Reader System Test
901125D Sigma 5/7 Card Reader/Card Punch Test
901162B Sigma 2/3 Card Reader Punch Test

Tek Tips: 65-65-20 Troubleshooting Aid, 9150 Card Reader
65-65-23 9150 NCR Card Reader Adjustments

Diagnostic Software Programs: 704033 Sigma 2/3 Card Reader/Punch Test
704052 Sigma 5/7 Card Reader Punch Test
704354 Sigma 5/7 System Test, Card Reader

**7121A01/A02/B01/B02 CARD READER STATION (200 CPM)
ASSEMBLY NOS. 154128, 181924, 180042, 182019**

Reference Manual: 900970E 7120/7122/7140 Card Reader for Sigma Computers

Maintenance Manual: 901843A 7121-01 Maintenance Manual

Technical Manual: 901173A 7121 Card Reader

Engineering Support Manuals: 902336A 7121 Card Reader Device
902419A Card Reader Controller
902420A Card Reader Device 7121

Diagnostic Manuals: 901121B Sigma 5/7 Card Reader System Test
901125D Sigma 5/7 Card Reader/Card Punch Test
901162B Sigma 2/3 Card Reader/Punch Test

PM/CM Manual: 901717A-1 Preventive and Corrective Maintenance Manual

Tek Tips: 65-65-20 Troubleshooting Aid, 9150 Card Reader
65-65-23 9150 NCR Card Reader Adjustments

Diagnostic Software Programs: 704033 Sigma 2/3 Card Reader/Punch Test
704052 Sigma 5/7 Card Reader Punch Test
704354 Sigma 5/7 System Test, Card Reader

**7122A01/A02/B01/B02 CARD READER STATION (400 CPM)
ASSEMBLY NOS. 145285, 181815, 152375, 182020**

Reference Manual: 900970E 7120/7122/7140 Card Reader for Sigma Computers

Technical Manual: 901174B 7122 Card Reader

Engineering Support Manuals: 902337B 7122/7140 Card Reader Controller
902338B 7122 Card Reader Device
902419A Card Reader Controller
902421A Card Reader Device Model 7122

Diagnostic Manuals: 901121B Sigma 5/7 Card Reader System Test
901125D Sigma 5/7 Card Reader/Card Punch Test
901162B Sigma 2/3 Card Reader/Punch Test

PM/CM Manual: 901717A-1 Preventive and Corrective Maintenance Manual

Tek Tips: 65-65-20 Troubleshooting Aid, 9150 Card Reader
65-65-23 9150 NCR Card Reader Adjustments

Diagnostic Software Programs: 704033 Sigma 2/3 Card Reader/Punch Test
704052 Sigma 5/7 Card Reader Punch Test
704354 Sigma 5/7 System Test, Card Reader

**7140A01/A02/B01/B02 CARD READER STATION (1500 CPM)
ASSEMBLY NOS. 134359, 159332, 152937, 182021**

Reference Manual: 900970E 7120/7122/7140 Card Reader for Sigma Computers

Technical Manual: 901010B Sigma 1500 CPM Card Reader

Engineering Support Manuals: 902337B 7122/7140 Card Reader Controller
902340D 7140 Card Reader Device
902410A Card Reader Device 7140
902419A Card Reader Controller

Diagnostic Manuals: 901121B Sigma 5/7 Card Reader System Test
901125D Sigma 5/7 Card Reader/Card Punch Test
901162B Sigma 2/3 Card Reader/Punch Test

PM/CM Manual: 901717A-1 Preventive and Corrective Maintenance Manual

Tek Tips: 65-65-20 Troubleshooting Aid, 9150 Card Reader
65-65-23 9150 NCR Card Reader Adjustments

Diagnostic Software Programs: 704033 Sigma 2/3 Card Reader/Punch Test
704052 Sigma 5/7 Card Reader/Punch Test
704354 Sigma 5/7 System Test, Card Reader

**7160A01/A02 CARD PUNCH (300 CPM)
ASSEMBLY NOS. 137418, 156630**

Reference Manual: 900971C Card Punch Model 7160 for Sigma Computers

Technical Manual: 901069B 7160 Card Punch/Coupler

Engineering Support Manuals: 902341B 7160 Card Punch Controller
902342C 7160 Card Punch Device
902405A Sigma Maintenance Subcontroller

Diagnostic Manuals: 901125D Sigma 5/7 Card Reader/Card Punch Test
901162B Sigma 2/3 Card Reader/Punch Test

PM/CM Manual: 901717A-1 Preventive and Corrective Maintenance Manual

Tek Tip: 65-70-12 Adjustment Procedure 9157

Diagnostic Software Programs: 704033 Sigma 2/3 Card Reader/Punch Test
704052 Sigma 5/7 Card Punch Test

**7165A01 CARD PUNCH (100 CPM)
ASSEMBLY NO. 148459**

Technical Manuals: 901567A Sigma 7165 100 CPM Card Punch
901574B 7165 Card Punch Controller

Engineering Support Manuals: 902343A 7165 Card Punch Controller
902344A 7165 Card Punch Device

Diagnostic Manuals: 901552C Sigma 5/7 Low Speed Card Punch
901553C Sigma 2 Low Speed Card Punch

PM/CM Manual: 901717A-1 Preventive and Corrective Maintenance Manual

Tek Tip: 65-70-12 Adjustment Procedure 9157

Diagnostic Software Programs: 705290 Sigma 5/7 Low Speed Card Punch Test
705291 Sigma 2/3 Low Speed Card Punch Test

**7201A01/A02/A03 RAD CONTROLLER
ASSEMBLY NOS. 135743, 149330, 159503**

Reference Manual: 900979C RAD Storage System Model 7201/7202/7203/7204

Technical Manual: 901081A-3 7201/2/3/4 Rapid Access Data Files

Engineering Support Manuals: 902345B-1 7201 Medium Speed RAD Controller
902412A 7201A01/7231A02 RAD Controller

Diagnostic Manuals: 901090B Sigma 5/7 Medium Speed RAD System Test
901130D Sigma 5/7 Medium Speed RAD File Test
901167B Sigma 2/3 Medium Speed RAD File Test
901678B Sigma 5/7 Comprehensive RAD Test
901721A Sigma 2/3 Comprehensive RAD Test

Tek Tips: 65-77-S21 Wiring In Spare Hi-Speed RAD Data Clock Track Head
65-77-36 Motor Control Unit

Diagnostic Software Programs: 704027 Sigma 2/3 Medium Speed RAD File Test
704072 Sigma 5/7 Medium Speed RAD File Test Program
704351 Sigma 5/7 System Test Medium Speed RAD
705730 Sigma 5/7 Comprehensive RAD Test
705863 Sigma 2/3 Comprehensive RAD Test

**7202A01/A02/A03/M01/M02/M03/S01/S02/S03/T03/U03/M04/T04 RAD STORAGE UNIT,
.75M BYTES
ASSEMBLY NOS. 123084, 152431, 149760, 147428, 158021, 158819, 147429, 152312,
158820, 159823, 159822, 181863, 181864**

Reference Manual: 900979C RAD Storage System Models 7201/7202/7203/7204

Technical Manuals: 901081A-3 7201/2/3/4 Rapid Access Data Files
901641A 7201/2/3/4 Repackaged RAD File

Engineering Support Manuals: 902345B-1 7201 Medium Speed RAD Controller
902346A 7202/03/04 Medium Speed RAD Device
902347A (7202 Repackage) Medium Speed RAD Device
902353B Extended Performance RAD
902412A 7201A01/7231A02 RAD Controller

Diagnostic Manuals: 901130D Sigma 5/7 Medium Speed RAD File Test
901167B Sigma 2/3 Medium Speed RAD File Test
901649B Sigma 5/7 Diagnostic Program Monitor
901650B Sigma 2/3 Diagnostic Program Monitor
901678C Sigma 5/7 Comprehensive RAD Test
901721A Sigma 2/3 Comprehensive RAD Test

Diagnostic Software Programs: 704027 Sigma 2/3 Medium Speed RAD File Test
704072 Sigma 5/7 Medium Speed RAD File Test
705730 Sigma 5/7 Comprehensive RAD Test
705863 Sigma 2/3 Comprehensive RAD Test

- 7203A01/A02/A03/M01/M02/M03/M04/S01/S02/S03/T03/T04/U03 STORAGE UNIT, 1.5M BYTES**
ASSEMBLY NOS. 123085, 158176, 149766, 158583, 158581, 158821, 181865, 158884, 158582, 158822, 159821, 181866, 159820

Reference Manuals: 900979C RAD Storage System Models 7201/7202/7203/7204

Technical Manuals: 901081A-3 7201/2/3/4 Rapid Access Data Files
901641A 7201/2/3/4 Repackaged RAD File

Engineering Support Manuals: 902345B-1 7201 Medium Speed RAD Controller
902346A 7202/03/04 Medium Speed RAD Device
902347A (7202 Repackage) Medium Speed RAD Device
902412A 7201A03/7231A02 RAD Controller

Diagnostic Manuals: 901090B Sigma 5/7 Medium Speed RAD System Test
901130D Sigma 5/7 Medium Speed RAD File Test
901167B Sigma 2/3 Medium Speed RAD File Test
901649B Sigma 5/7 Diagnostic Program Monitor
901650B Sigma 2/3 Diagnostic Program Monitor
901678C Sigma 5/7 Comprehensive RAD Test
901721A Sigma 2/3 Comprehensive RAD Test

Tek Tips: 65-77-S21 Wiring In Spare Hi-Speed RAD Data Clock Track Head
65-77-36 Motor Control Unit

Diagnostic Software Programs: 704072 Sigma 5/7 Medium Speed RAD File Test
704072 Sigma 5/7 Medium Speed RAD File Test Program
704351 Sigma 5/7 System Test Medium Speed RAD
705730 Sigma 5/7 Comprehensive RAD Test
705863 Sigma 2/3 Comprehensive RAD Test

**7204A01/A02/M01/M02/M03/S01/S02/T02/T03/U02 STORAGE UNIT, 3.0M BYTES
ASSEMBLY NOS. 123086, 149722, 147430, 158823, 181867, 147433, 158824, 159819,
181868, 159824**

NOTE: Documentation same as 7202/7203 plus manuals listed below:

Reference Manual: 900979C RAD Storage System Models 7201/7202/7203/7204

Technical Manual: 901081A-3 7201/2/3/4 Rapid Access Data Files

Engineering Support Manuals: 902346A 7202/03/04 Medium Speed RAD Device
902347A (7202 Repackage) Medium Speed RAD Device

Diagnostic Manuals: 901130D Sigma 5/7 Medium Speed RAD File Test
901167B Sigma 2/3 Medium Speed RAD File Test
901678C Sigma 5/7 Comprehensive RAD Test

Diagnostic Software Programs: 704027 Sigma 2/3 Medium Speed RAD File Test
704072 Sigma 5/7 Medium Speed RAD File Test
705730 Sigma 5/7 Comprehensive RAD Test

**7211A01/S01/S02 HIGH SPEED RAD CONTROLLER
ASSEMBLY NOS. 137502, 147478, 181250**

Reference Manual: 900980A High Speed RAD Storage System Models 7211/7212 for Sigma 5/7
Computers

Technical Manual: 901195A 8285/8485 Selector I/O Processor (SIOP)

Engineering Support Manuals: 902312A 8285/8485 Selector IOP
902351B 7211 High Speed RAD Controller
902405A Sigma Maintenance Subcontroller
902414A 8285A02/8485A02 Selector I/O Processor

Diagnostic Manuals: 901158C Sigma 5/7 Selector IOP Channel Test
901531B Sigma 5/7 High Speed RAD File Test
901668A Sigma 5/7 Maintenance Subcontroller Self Test
901670A Sigma 5/7 SIOP Maintenance Subcontroller
901678C Sigma 5/7 Comprehensive RAD Test

Tek Tips: 65-77-S21 Wiring In Spare Hi-Speed RAD Data Clock Track Head
65-77-36 Motor Control Unit

Diagnostic Software Programs: 704788 Sigma 5/7 Selector IOP Test
704979 Sigma 5/7 High Speed RAD File Test Program
705722 Sigma 5/7 SIOP Diagnostics (MS)
705723 Sigma 5/7 Maintenance Subcontroller Self Test
705730 Sigma 5/7 Comprehensive RAD Test

**7212A01/S01/U01 HIGH SPEED STORAGE UNIT, 6.0M BYTES, 50 Hz
ASSEMBLY NOS. 139965, 158062, 159827**

NOTE: Documentation same as 7211 plus:

Engineering Support Manual: 902352B 7212 High Speed RAD Device

**7231A01/A02 EXTENDED PERFORMANCE RAD CONTROLLER
ASSEMBLY NOS. 149330, 159503**

Reference Manual: 901557B 7231/7232 Extended Performance RAD

Technical Manual: 901565A-1 7231/32 RAD

Engineering Support Manuals: 902353A Extended Performance RAD Controller
902412A 7201A03/7231A02 RAD Controller

Diagnostic Manuals: 901538B Sigma 2/3 High Capacity RAD File Test
901540C Sigma 5/7 Extended Performance Rapid Access Data Files
901678C Sigma 5/7 Comprehensive RAD Test
901721A Sigma 2/3 Comprehensive RAD File Test

Tek Tips: 65-77-S21 Wiring In Spare Hi-Speed RAD Data Clock Track Head
65-77-36 Motor Control Unit

Diagnostic Software Programs: 704978 Sigma 5/7 Capacity RAD File Test Program
704980 Sigma 2/3 High Capacity RAD File Test
705730 Sigma 5/7 Comprehensive RAD Test
705863 Sigma 2/3 Comprehensive RAD Test

**7232A01/M01/S01/T01/U01/M02/T02 STORAGE UNIT, EXTENDED PERFORMANCE,
6.0M BYTES
ASSEMBLY NOS. 139576, 158063, 158064, 159825, 159826, 181869, 181870**

Reference Manual: 901557B 7231/7232 Extended Performance RAD

Technical Manual: 901565A-1 7231/7232 RAD

Engineering Support Manuals: 902353B Extended Performance RAD Controller
902354A-1 Extended Performance RAD Device
902412A 7201A03/7231A02 RAD Controller

Diagnostic Manuals: 901090B Sigma 5/7 Medium Speed RAD System Test
901130D Sigma 5/7 Medium Speed RAD File Test
901167B Sigma 2/3 Medium Speed RAD File Test
901538B Sigma 2/3 High Capacity RAD File Test
901540C Sigma 5/7 Extended Performance Rapid Access Data Files
901649B Sigma 5/7 Diagnostic Program Monitor
901650B Sigma 2/3 Diagnostic Program Monitor
901678C Sigma 5/7 Comprehensive RAD Test
901721A Sigma 2/3 Comprehensive RAD File Test

Diagnostic Software Programs: 704027 Sigma 2/3 Medium Speed RAD File Test
704072 Sigma 5/7 Medium Speed RAD File Test
704978 Sigma 5/7 Capacity RAD File Test
704980 Sigma 2/3 High Capacity RAD File Test
705730 Sigma 5/7 Comprehensive RAD Test
705863 Sigma 2/3 Comprehensive RAD Test

**7240A01 DISK CONTROLLER, REMOVABLE
ASSEMBLY NO. 153884**

Reference Manual: 901671B 7240/42 Sigma Removable Disc System

Technical Manual: 901630A 7240/42 Disc Storage System

Engineering Support Manual: 901398A-1 7240 Disc Storage

Diagnostic Manuals: 901612A Sigma 5/7 Removable Disc Storage Test
901613A Sigma 3 Removable Disc Storage Test

Diagnostic Software Programs: 705533 Sigma 2/3 Removable Disc Storage Test
705534 Sigma 5/7 Removable Disc Storage Test

**7242A01/B01/C01/D01/E01 DISK DRIVE, DUAL SPINDLE
ASSEMBLY NOS. 153895, 153899, 153894, 153898, 153902**

NOTE: Documentation same as 7240 for all units plus:

Miscellaneous Manuals: 901612B Sigma 5-9 Removable Disk Storage Test DPM
901715B Disk Pack Acceptance Test Procedure

**7244A01 DISK PACK, 24M BYTE
ASSEMBLY NO. 154601**

NOTE: Documentation same as 7240

**7246A01/B01/C01/D01/E01 REMOVABLE DISK STORAGE UNIT
ASSEMBLY NOS. 153893, 153897, 153890, 153896, 180563**

Reference Manual: 901671B 7240/7242 Sigma Removable Disk Storage System

Technical Manual: 901630A 7240/7242 Disc Storage System

Engineering Support Manual: 902398A-1 7240 Disc Storage

Diagnostic Manuals: 901612A Sigma 5/7 Removable Disc Storage Test
901613A Sigma 2/3 Removable Disc Storage Test

Diagnostic Software Programs: 705533 Sigma 2/3 Removable Disc Storage Test
705534 Sigma 5/7 Removable Disc Storage Test

**7320A01 MAGNETIC TAPE CONTROLLER
ASSEMBLY NO. 145603**

Reference Manual: 900977C 9-Track Magnetic Tape System Models 7320/7322/7323

Technical Manual: 901561A 7320 Magnetic Tape Controller

Engineering Support Manual: 902355D Magnetic Tape Controller 7320

Diagnostic Manuals: 901119B Sigma 5/7 9-Channel Magnetic Tape System Test
901166E Sigma 2/3 Magnetic Tape Test (9-Channel 75/150 IPS)
901616B Sigma 5/7 9-Channel Magnetic Tape Test
901722A Sigma 2/3 9-Channel Magnetic Tape System Test

Diagnostic Software Programs: 704021 Sigma 2/3 Magnetic Tape Test (9-Channel 150 IPS)
704352 Sigma 5/7 System Test, Magnetic Tape (9 Channels)
705542 Sigma 5/7 9-Channel Magnetic Tape Test
705866 Sigma 2/3 9-Channel Magnetic Tape Test

**7321A01 MAGNETIC TAPE CONTROLLER
ASSEMBLY NO. 123095**

Reference Manual: 900977C 9-Track Magnetic Tape System Models 7320/7322/7323

Technical Manual: 901083A 7321 Magnetic Tape Controller

Engineering Support Manual: 902356B 7321 Magnetic Tape Controller

Diagnostic Manuals: 901119B Sigma 5/7 9-Channel Magnetic Tape System Test
901166E Sigma 2/3 Magnetic Tape Test (9-Channel 75/150 IPS)

Diagnostic Software Programs: 704021 Sigma 2/3 Magnetic Tape Test
704352 Sigma 5/7 System Test, Magnetic Tape (9 Channels)

**7322A01/A02/A03/M01/M02/M03/S01/S02/S03/T01/T02/T03/U01/U02/U03 MAGNETIC
TAPE UNIT, 60 KB, 75 IPS, 9-TRACK
ASSEMBLY NOS. 123103, 149058, 149954, 156649, 147431, 158571, 156650, 174282,
158572, 156551, 158562, 158579, 156652, 158563, 158580**

Reference Manual: 900977C 9-Track Magnetic Tape System Models 7320/7322/7323

Technical Manuals: 901083A 7321 Magnetic Tape Controller
901084B Magnetic Tape Station Model 7322
901561A 7320 Magnetic Tape Controller
901707A 7322 Magnetic Tape Station
901722A Sigma 2/3 9-Channel Magnetic Tape System Test

Engineering Support Manuals: 902355D Magnetic Tape Controller 7320
902356B Magnetic Tape Controller 7321
902357A 7322 Magnetic Tape Station, Vol. I and Vol. II

Diagnostic Manuals: 901119B Sigma 5/7 9-Channel Magnetic Tape System Test
901166E Sigma 2/3 Magnetic Tape Test (9-Channel 75/150 IPS)
901616B Sigma 5/7 9-Channel Magnetic Tape Test
901722A Sigma 2/3 9-Channel Magnetic Tape Test

PM/CM Manual: 901717A Preventive and Corrective Maintenance Manual

Tek Tips: 65-66-01B Potter Tape Transport Service Hints
65-66-02C Ampex Tape Transports (TM 4) Service Hints
65-66-03D Magnetic Pak Service Hints
65-66-04D 900 Series Wang Tape Transport Service Hints
65-66-S05G Sigma Wang Transport Service Hints
65-66-S62 PT19 Operation in 7321/7322

Diagnostic Software Programs: 704021 Sigma 2/3 Magnetic Tape Test (9-Channel 150 IPS)
704352 Sigma 5/7 System Test, Magnetic Tape (9 Channels)
705542 Sigma 5/7 9-Channel Magnetic Tape Test
705866 Sigma 2/3 9-Channel Magnetic Tape Test

- 7323A01/A02/M01/M02/S01/S02/T01/T02/U01/U02 MAGNETIC TAPE UNIT, 120 KB, 150 IPS, 9-TRACK**
ASSEMBLY NOS. 132979, 152482, 152277, 158573, 152278, 158574, 158564, 158585, 158565, 158586

Reference Manual: 900977C 9-Track Magnetic Tape System Models 7320/7322/7323

Technical Manuals: 901176A-1 7323 Magnetic Tape Station
901561A 7320 Magnetic Tape Controller

Engineering Support Manuals: 902355D Magnetic Tape Controller 7320
902357A 7322 Magnetic Tape Station
902358B 7323 Magnetic Tape Device

Diagnostic Manuals: 901119B Sigma 5/7 9-Channel Magnetic Tape System Test
901166E Sigma 2/3 Magnetic Tape Test (9-Channel 75/150 IPS)
901616B Sigma 5/7 9-Channel Magnetic Tape Test
901722A Sigma 2/3 9-Channel Magnetic Tape Test

PM/CM Manual: 901717A Preventive and Corrective Maintenance Manual

Tek Tips: 65-66-01B Potter Tape Transport Service Hints
65-66-02C Ampex Tape Transports (TM 4) Service Hints
65-66-03D Magnetic Pak Service Hints
65-66-04D 900 Series Wang Tape Transport Service Hints
65-66-S05G Sigma Wang Tape Transport Service Hints
65-66-S62 PT19 Operation in 7321/7322

Diagnostic Software Programs: 704021 Sigma 2/3 Magnetic Tape Test (9-Channel 150 IPS)
704352 Sigma 5/7 System Test, Magnetic Tape (9 Channels)
705542 Sigma 5/7 System Channel Magnetic Tape Test
705866 Sigma 2/3 9-Channel Magnetic Tape Test

**7361A01/A02 MAGNETIC TAPE CONTROLLER, 20 KHz
ASSEMBLY NOS. 136967, 153407**

Technical Manuals: 900978A 7-Track Magnetic Tape System Models 7361/7362/7371/7372
901177A 7361/7362/7365 Magnetic Tape System

Engineering Support Manual: 902359A 7361 Magnetic Tape Controller

Diagnostic Manual: 901536E Sigma 2/3 7-Track Magnetic Tape Test

Tek Tips: 65-66-S05G Sigma Wang Tape Transport Service Hints
65-66-S62 PT19 Operation 7321/7322

Diagnostic Software Program: 704051 Sigma 2/3 37.5 IPS Magnetic Tape Test (7 Channels)

**7362A01/A02/M01/M02/S01/S02/T01/T02/U01/U02 MAGNETIC TAPE UNIT, 20 KHz,
37.5 IPS, 7-TRACK
ASSEMBLY NOS. 137003, 152479, 152275, 158577, 152276, 158578, 158568, 158589,
158569, 158590**

Technical Manuals: 900978 7-Track Magnetic Tape Station Models 7361/7362/7371/7372
901177A 7361/7362/7365 Magnetic Tape System

Engineering Support Manuals: 902359A 7361 Magnetic Tape Controller
902360A 7362 Magnetic Tape Device, Vol. I and Vol. II

Diagnostic Manuals: 901536E Sigma 2/3 7-Track Magnetic Tape Test
901682B Sigma 5/7 7-Channel Magnetic Tape Test
901734A Sigma 2/3 7-Channel Magnetic Tape Test

PM/CM Manual: 901717A Preventive and Corrective Maintenance Manual

Tek Tips: Same as 7361

Diagnostic Software Programs: 704051 Sigma 2/3 37.5 IPS Magnetic Tape Test (7-Channel)
705735 Sigma 5/7 7-Channel Magnetic Tape Test
705877 Sigma 2/3 7-Channel Magnetic Tape Test

7371A01 MAGNETIC TAPE CONTROLLER, 60 KHz, TRIPLE DENSITY 3D ASSEMBLY NO. 134049

Reference Manual: 900978A 7-Track Magnetic Tape System Models 7361/7362/7371/7372

Technical Manual: 901013A 7321/2/4 Magnetic Tape Controller

Engineering Support Manual: 902361A-1 7321/7374 Magnetic Tape Controller, Vol. I and Vol. II A-1

Diagnostic Manual: 901536E Sigma 2/3 7-Track Magnetic Tape Test

Tek Tips: Same as 7361

Diagnostic Software Program: 704051 Sigma 2/3 37.5 IPS Magnetic Tape Test (7-Channel)

7372A01/A02/A03/M01/M02/M03/S01/S02/S03/T01/T02/T03/U01/U02/U03 MAGNETIC TAPE UNIT, 60 Hz, 60 KHz (3D), 75 IPS, 7-TRACK ASSEMBLY NOS. 133703, 149153, 152475, 156653, 152270, 158575, 156654, 152280, 158576, 156655, 158566, 158587, 156656, 158567, 158588

Reference Manual: 900978A 7-Track Magnetic Tape System Models 7361/7362/7371/7372

Technical Manual: 901013A 7371/2/4 Magnetic Tape Controller

Engineering Support Manuals: 902361A/A-1 7371/7374 Magnetic Tape Controller
902362A 7372 Magnetic Tape Device, Vol. I and Vol. II

Diagnostic Manuals: 901536E Sigma 2/3 7-Track Magnetic Tape Test
901682B Sigma 5/7 7-Channel Magnetic Tape Test
901734A Sigma 2/3 7-Channel Magnetic Tape Test

PM/CM Manual: 901717A Preventive and Corrective Maintenance Manual

Tek Tips: Same as 7361

Diagnostic Software Programs: 704051 Sigma 2/3 37.5 IPS Magnetic Tape Test (7-Channel)
705735 Sigma 5/7 7-Channel Magnetic Tape Test
705877 Sigma 2/3 7-Channel Magnetic Tape Test

**7440A01/B01 BUFFERED LINE PRINTER STATION, 60 Hz, 600 LPM
ASSEMBLY NOS. 123576, 152935**

Reference Manual: 901014D 7440/7445 Buffered Line Printer

Technical Manual: 901063A-4 Buffered Line Printer Models 7440, 7445

Engineering Support Manuals: 902363B 7440/7445 Line Printer Controller
902364B 7440/7445 Line Printer Device

Diagnostic Manuals: 901085C Sigma 5/7 Buffered Line Printer System Test
901145C Sigma 5/7 Line Printer Test
901159C Sigma 2/3 Line Printer Test
901754A Sigma 5-9 Comprehensive Line Printer Test

PM/CM Manual: 901717A-1 Preventive and Corrective Maintenance Manual

Diagnostic Software Programs: 704019 Sigma 2/3 Line Printer Test
704349 Sigma 5/7 System Test Buffered Line Printer
704777 Sigma 5/7 Line Printer Test (Modified)
706167 Sigma 5-9 Comprehensive Line Printer Test

**7441A01 DRUM PRINTER, HIGH PERFORMANCE, 60 Hz, 1100 LPM MAX.
ASSEMBLY NO. 155400**

Reference Manual: 901723A 7441 Buffered Line Printer

Technical Manual: 901614A PT25 Power Supply

Engineering Support Manual: 902411A 7441 High Performance Drum Printer

Diagnostic Manuals: 901728A Sigma 5/7 High Performance Drum Printer Test
901729A Sigma 2/3 High Performance Drum Printer Test
901754A Sigma 5-9 Comprehensive Line Printer Test

Diagnostic Software Programs: 705872 Sigma 2/3 High Performance Drum Printer Test
705873 Sigma 5/7 High Performance Drum Printer Test
706167 Sigma 5-9 Comprehensive Line Printer Test

**7445A01/B01 BUFFERED LINE PRINTER STATION, 1000 LPM
ASSEMBLY NOS. 152938, 152939**

NOTE: Documentation same as 7440

**7450A01/B01 BUFFERED LINE PRINTER STATION, 60 Hz, 225 LPM
ASSEMBLY NOS. 148606, 156021**

Reference Manual: 901601A 7450 Buffered Line Printer

Technical Manual: 901603A 7450 Line Printer

Engineering Support Manual: 902365A 7450 Line Printer Controller

Diagnostic Manuals: 901598B Sigma 2/3 Low Speed Line Printer
901599A Sigma 5/7 Low Speed Printer
901754A Sigma 5-9 Comprehensive Line Printer Test

Diagnostic Software Programs: 705430 Sigma 5/7 Model 7450 Low Speed Line Printer
705431 Sigma 2/3 7450 Low Speed Line Printer
706167 Sigma 5-9 Comprehensive Line Printer Test

7530A01 11" CALCOMP GRAPH PLOTTER (MODEL 565) AND CONTROLLER ASSEMBLY NO. 137762

Reference Manual: 901194B 7530/7531 Graph Plotters

Engineering Support Manual: 902367A-1 7530/7531 Plotter Controller

Diagnostic Manuals: 901517C Sigma 2/3 Graph Plotter
901518B Sigma 5/7 Graph Plotter

Diagnostic Software Programs: 704001 Sigma 2/3 Calcomp Plotter Test
704050 Sigma 5/7 Calcomp Plotter Test

7531A01 30" CALCOMP GRAPH PLOTTER (MODEL 563) AND CONTROLLER ASSEMBLY NO. 137762

NOTE: Documentation same as 7530

7534A01 GRAPH PLOTTER, CONTROLLER ASSEMBLY NO. 152791

NOTE: Documentation same as 7530

7550A01/A02 KEYBOARD DISPLAY, TYPE I ASSEMBLY NOS. 133452, 148919

Reference Manual: 900982A Multipurpose Keyboard/Display

Technical Manual: 901012A 7550/7555 Keyboard Display

Engineering Support Manual: 902369A 7550 Keyboard Display I, Vol. I and Vol. II

Diagnostic Manuals: 901507B Sigma 5/7 Keyboard Display Test
901508B Sigma 2/3 Keyboard Display Test

Diagnostic Software Programs: 704004 Sigma 5/7 Keyboard Display
704012 Sigma 2/3 Keyboard Display

7555A01/A02 HIGH SPEED KEYBOARD DISPLAY, 13D, TYPE II ASSEMBLY NOS. 139894, 148490

NOTE: Documentation same as 7550A01/A02 except:

Engineering Support Manual: 902370A 7555 Keyboard Display II

**7580A01 GRAPHIC DISPLAY UNIT
ASSEMBLY NO. 162329**

Reference Manual: 901566B Sigma Graphic Display Model 7580

Engineering Support Manual: 902408A 7580 Graphic Display Unit, Vol. I through Vol. III

Diagnostic Manual: 901644C Sigma 5/7 7580/7581 Graphic Display

Diagnostic Software Program: 705387 Sigma 5/7 7580 Graphic Display Diagnostic — TIC

**7601A01 DATA SET CONTROLLER
ASSEMBLY NO. 139834**

Reference Manual: 901568B 7601/7604 Data Comm. Equipment (CTE-9,10,11,12,13)

Technical Manuals: 901075A 7601/2/6/11 Data Comm. Equipment Coupler/Data Set Coupler/
Auto-Dialing
901179A 7601/2/3 Data Set Controller

Engineering Support Manual: 902371A Data Set Controller

Diagnostic Manuals: 901509B Sigma 5/7 Data Set Controller Test
901510C Sigma 2/3 Data Set Controller Test

Tek Tips: 65-81-S01 Data Set Controller Marginal Clock Receiver
65-81-S02 Xerox Display Station BC100/200 Test Procedure
65-81-S07 Preparing Data Set Controller To Utilize Standard Control Line
Package
65-81-S08A Relay Interface Connection
65-81-S09 Data Set Controller 7601, 7604, and RBT 6760
65-81-S10 Disconnect The User
65-81-S11 Sigma 2/3 COC ECHO Program

Diagnostic Software Programs: 704013 Sigma 5-9 Data Set Controller Diagnostic
704055 Sigma 2/3 Data Set Controller Diagnostic

**7602A01 MOD KIT, FULL DUPLEX FEATURE
ASSEMBLY NO. 139833**

NOTE: Documentation same as 7601A01

**7603A01 MOD KIT, AUTOMATIC DIALING FEATURE, FOR 7601A01
ASSEMBLY NO. 139831**

NOTE: Documentation same as 7601A01

**7604A01 LOCAL BATCH TERMINAL CONTROLLER
ASSEMBLY NO. 158592**

NOTE: Documentation same as 7601A01

**7611A01/A02 COMMUNICATIONS CONTROLLER FOR ADD-ON TO 7611
ASSEMBLY NOS. 133905, 181432**

Reference Manual: 900981B 7611-7616/7620-7623 Character Oriented Communications
Equipment

Technical Manual: 901075A 7601/2/6/11 Data Communications Equipment Coupler/Data Set
Coupler/Auto-Dialing

Engineering Support Manuals: 902372C Communications Controller (Character Oriented)
902373A Line Interface Option
902376A DC Power Supply Option
902422A 7611A02/7630A02/C02/D02 C.O.C.C.

Diagnostic Manuals: 901156F Sigma 5/7 Character Oriented Communications Controller Test
901168E Sigma 2/3 Character Oriented Communications Controller Test

Diagnostic Software Programs: 704014 Sigma 2/3 Character Oriented Communications Test
704016 Sigma 5/7 Character Oriented Communications Test

**7613A01/A02 LINE INTERFACE UNIT FOR 7611A01/A02
ASSEMBLY NOS. 133985, 181442**

Engineering Support Manual: 902373A Line Interface Option

**7618A01 AUTOMATIC DIALING UNIT
ASSEMBLY NO. 139107**

Reference Manual: 901611A Sigma Automatic Dialing Equipment

Technical Manual: 901180A 7618/7619 Automatic Dialing Equipment (ADEC) Controller and
Auto-Call Unit (ACU) Interface Module

Engineering Support Manual: 902374B Automatic Dialing Equipment

Diagnostic Manuals: 901511B Sigma 5/7 Auto-Dialing Equipment Test Program
901512C Sigma 2/3 Auto-Dialing Equipment Test Program

Tek Tips: Same as 7601

Diagnostic Software Programs: 704074 Sigma 5/7 Auto Dial Diagnostic
704156 Sigma 2/3 Auto Dial Diagnostic

**7620A01/A02 DC INTERFACE UNITS
ASSEMBLY NO. 149160**

Engineering Support Manual: 902375B Model 7620 Interface Units

**7621A01/A02/B01 EIA INTERFACE
ASSEMBLY NOS. 133915, 181330, 155158**

NOTE: Documentation same as 7620

**7623A01/A02 DC POWER SUPPLY PX14, PT35
ASSEMBLY NOS. 147095, 159280**

Reference Manual: 900981B 7611-7616/7620-7623 Character Oriented Communications
Equipment

Engineering Support Manual: 902376A DC Power Supply Option

7630A01/A02/B01/B02/C01/C02/D01/D02 COMMUNICATIONS CONTROLLER, + 8 LINES ASSEMBLY NOS. 181601, 182372, 181761, 182373, 181762, 182255, 181763, 182256

Reference Manual: 900981B 7611-7616/7620-7623 Character Oriented Communications Equipment

Technical Manual: 901075A 7601/2/6/11 Data Communications Equipment Coupler/Data Set Coupler/Auto-Dialing

Engineering Support Manuals: 902372B Communications Controller
902373A Line Interface Option
902422A 7611A02/7630A02/C02/D02 C.O.C.C.

Diagnostic Manuals: 901156F Sigma 5/7 Character Oriented Communications Controller Test
901168D Sigma 2/3 Character Oriented Communications Controller Test

Tek Tips: Same as 7601

Diagnostic Software Programs: 704014 Sigma 2/3 Character Oriented Communications Test
704016 Sigma 5/7 Character Oriented Communications Test

7640A01/B01/C01 COMMUNICATIONS LINE MULTIPLEXER ASSEMBLY NOS. 154582, 155097, N/R

Reference Manuals: 900712B Controlled Program for Sigma 5/7 Computer Peripheral Devices
900981B 7611-7616/7620-7623 Character Oriented Communications Equipment

Technical Manual: 901157A PT20 Power Supply

Diagnostic Manuals: 901156F Sigma 5/7 Character Oriented Communications Controller Test
901168D Sigma 2/3 Character Oriented Communications Controller Test
901709A

Diagnostic Software Programs: 704014 Sigma 2/3 Character Oriented Communications Test
704016 Sigma 5/7 Character Oriented Communications Test

7641A01/B01 COMMUNICATIONS LINE MULTIPLEXER, 8-CHANNEL EXPANSION KIT ASSEMBLY NOS. 153549, 155247

Reference Manual: 900981B 7611-7616/7620-7623 Character Oriented Communications Equipment

Technical Manual: 901157A PT20 Power Supply

Diagnostic Manuals: 900712B Controlled Program for Sigma 5/7 Computer Peripheral Devices
900839C Controlled Program for Sigma 2/3 Computer Peripheral Devices
901156F Sigma 5/7 Character Oriented Comm. Controller Test
901168D Sigma 2/3 Character Oriented Comm. Controller Test

Diagnostic Software Programs: 704014 Sigma 2/3 Character Oriented Communications Test
704016 Sigma 5/7 Character Oriented Communications Test
704025 Sigma 2/3 Diagnostic Control Program
704070 Sigma 5/7 Diagnostic Control Program

- 7642A01/B01 COMMUNICATIONS LINE MULTIPLEXER, 8-CHANNEL EXPANSION KIT
ASSEMBLY NOS. 153549, 155247**

NOTE: Documentation same as 7641A01/B01

- 7643A01/B01/C01 COMMUNICATIONS LINE MULTIPLEXER, REMOTE
ASSEMBLY NOS. 154582, 153792,**

NOTE: Documentation same as 7641A01/B01

- 7650A01 CHANNEL INTERFACE UNIT
ASSEMBLY NO. 148388**

Data Package: 901597A 7650 Channel Interface Unit

Diagnostic Manuals: 901551B Sigma 5/7 Channel Interface Unit Test Program
901560B Sigma 2/3 Channel Interface Unit Test Program

Diagnostic Software Programs: 705279 Sigma 5/7 Channel Interface Unit Test
705297 Sigma 2/3 Channel Interface Unit Test

- 7670A01/B01 REMOTE BATCH TERMINAL
ASSEMBLY NOS. 152847-001/152847-002**

Reference Manual: 901602A 7670 Remote Batch Terminal

Engineering Support Manual: 902404A 7670A01/B01 Remote Batch Terminal

Operator's Manual: 901626B 7670 Remote Batch Terminal

Diagnostic Manuals: 901550C Sigma 5/7 Remote Batch Terminal Test Program
901559B Sigma 2/3 Remote Batch Terminal Test Program

Diagnostic Software Programs: 704983 Sigma 5-9 Remote Batch Terminal Test
705298 Sigma 2/3 Remote Batch Terminal Test

**7710A01 BUS SHARING ADAPTER, DIO
ASSEMBLY NO. 146927**

Reference Manual: 901600A 7710/7720/7721 Sigma Peripheral Switching Equipment

Engineering Support Manuals: 902377B Bus Sharing Adapter (DIO)
902378B Peripheral Controller Switch

Diagnostic Manuals: 901539C Sigma 5/7 Peripheral Switching Test
901549C Sigma 2/3 Peripheral Switching Test

Diagnostic Software Programs: 704314 Sigma 5/7 Peripheral Switching Equipment
705266 Sigma 2/3 Peripheral Switching Equipment

**7720A01 MULTICONTROLLER, PERIPHERAL SWITCH SWING FRAME
ASSEMBLY NO. 146935**

NOTE: Documentation same as 7710 minus:

Engineering Support Manual: 902377B Bus Sharing Adapter

**7721A01 MANUAL CONTROL, PERIPHERAL SWITCH
ASSEMBLY NO. 146994**

NOTE: Documentation same as 7710 except:

Engineering Support Manual: 902379B Remote Switch Control

**7722A01 BUS EXTENDER, IOP
ASSEMBLY NO. 149415**

NOTE: Documentation same as 7710 except:

Engineering Support Manual: 902380B IOP Bus Extender

**7900A01 DEVICE SUBCONTROLLER
ASSEMBLY NO. 133021**

Engineering Support Manuals: 902381B Device Subcontroller

**7901A01 PERIPHERAL EQUIPMENT TESTER
ASSEMBLY NO. 132728**

Technical Manual: 901004A Peripheral Equipment Tester

Engineering Support Manual: 902382B Peripheral Equipment Tester

**7910A01 ANALOG OUTPUT CONTROLLER
ASSEMBLY NO. 138209**

Technical Manual: 980305 Model 7910 Analog Output Controller

Engineering Support Manual: 902383A Analog Output Controller

Diagnostic Software Programs: 704000 Sigma 2 I/O Test Utility Program
704235 Sigma 2/3 7910/14/15 SIU
704236 Sigma 5/7 7910/14/15 SIU
704304 Sigma 2 IOP Interface Handler
704338 Sigma 5/7 IO Handler for SIU:S Connected to IOP
705382 Sigma 2 Modified 7910/14/22 Analog
705728 Sigma 2 SIU Handlers for Use With RBM
705891 Sigma 5/7 7910 SIU Handlers (FORTRAN IN-H)
706115 Sigma 2/3 7910 SIU Handlers (Ext. Prec. FORTRAN)
706116 Sigma 2/3 7910 SIU Handlers

**7915A01 ANALOG INPUT CONTROLLER
ASSEMBLY NO. 163405**

Technical Manual: 980306 Model 7915 Analog Input Controller

Engineering Support Manual: 902385A Analog Input Controller

Diagnostic Software Programs: 704000 Sigma 2 I/O Test Utility Program
704235 Sigma 2/3 7910/14/15 SIU
704236 Sigma 5/7 7910/14/15 SIU
705728 Sigma 2 SIU Handlers for Use With RBM
705853 Sigma 2/3 SIU 7915 Handlers (Ext. Prec. FORTRAN)
705864 Sigma 5/7 Handler for 7915 ADS-10 AIC
705892 Sigma 2/3 7915 ADS-10 SIU

**7923A01 ANALOG AND DIGITAL ADAPTER
ASSEMBLY NO. 163340**

Technical Manual: 980317 Model 7923 Analog Input/Output

Engineering Support Manual: 902387A Analog I/O Adapter

Diagnostic Software Programs: 705388 Sigma 2 7923/29 SIU
705392 Sigma 5/7 7923/29 SIU
705728 Sigma 2 SIU Handlers for Use With RBM
705854 Sigma 5/7 SIU 7923 Handlers
705898 Sigma 2/3 7923 SIU Handlers (FORTRAN)

**7928A01 DIRECT FEATURE
ASSEMBLY NO. 163105**

Technical Manual: 980314 Model 7929 IOP to DIO Adapter and Model 7928 Direct Feature

**7929A01 DIGITAL CONTROLLER, IOP
ASSEMBLY NO. 138213**

Technical Manual: 980314 Model 7929 IOP to DIO Adapter and Model 7928 Direct Feature

Engineering Support Manual: 902389B IOP to DIO Adapter

Diagnostic Software Programs: 704000 Sigma 2 I/O Test Utility Program
704304 Sigma 2 IOP Interface Handler (SIUIOP2)
704338 Sigma 5/7 IO Handler for SIU:S Connected to IOP
705388 Sigma 2 7923/29 SIU
705392 Sigma 5/7 7923/29 SIU
705728 Sigma 2 SIU Handlers for Use With RBM

**7930A01 DIGITAL I/O ADAPTER
ASSEMBLY NO. 138214**

Technical Manual: 980265 Model 7930/7931 Digital Input/Output Adapter

Engineering Support Manual: 902391B Digital Input/Output Expansion Unit

Diagnostic Software Programs: 704210 Sigma 2/3 7930/31 SIU Digital
704211 Sigma 5/7 7930/7931/7935 SIU
704290 Sigma 2 SIU Connected to DIO Handler (SIUDIO2)
704339 Sigma 5/7 SIU Connected to DIO Handler (SIUDIO5)
705728 Sigma 2 SIU Handlers for Use With RBM
705855 Sigma 2/3 SIU 7930/31 Handler (Ext. Prec. FORTRAN)
705856 Sigma 2/3 SIU 7930/31 Handler (Stand. Prec. FORTRAN)
705861 Sigma 5/7 Handler for 7930/7931 Digital I/O Unit

**7931A01 DIGITAL I/O EXPANSION
ASSEMBLY NO. 138215**

Technical Manual: 980265 Model 7930/31 Digital Input/Output Adapter

Engineering Support Manual: 902390B Digital Input/Output Adapter

Diagnostic Software Programs: 704210 Sigma 2/3 7930/31 SIU Digital
704211 Sigma 5/7 7930/7931/7935 SIU
705855 Sigma 2/3 SIU 7930/31 Handler (Ext. Prec. FORTRAN)
705856 Sigma 2/3 SIU 7930/31 Handler (Stand. Prec. FORTRAN)

**7935A01 DIGITAL I/O CONTROLLER
ASSEMBLY NO. 165473**

Technical Manual: 980370 Model 7935 IOP Digital Input/Output Adapter

Engineering Support Manual: 902432A In Process

Diagnostic Software Programs: 704000 Sigma 2 I/O Test Utility Program
704210 Sigma 2/3 7930/31 SIU Digital

**7942A01 INTERRUPT CONDITIONER 1
ASSEMBLY NO. 165867**

Technical Manual: 980265 Model 7930/7931 Digital Input/Output Adapter

**7943A01 INTERRUPT CONDITIONER 2
ASSEMBLY NO. 165506**

Technical Manual: 980265 Model 7930/7931 Digital Input/Output Adapter

**7950A01 STORED OUTPUT MODULE
ASSEMBLY NO. 138217**

Technical Manual: 980265 Model 7930/31 Digital Input/Output Adapter

7951A01 THROUGH 7962A01

NOTE: Documentation requirements same as 7950A01

**7969A01 FREQUENCY CONTROL, BASIC
ASSEMBLY NO. 138221**

Technical Manual: 980313 Model 7969/7972 Frequency Control Subsystem

Engineering Support Manual: 902392 Frequency Control, Basic

Diagnostic Software Programs: 704290 Sigma 2 SIU Connected to DIO Handler
704339 Sigma 5/7 SIU Connected to DIO Handler
705728 Sigma 2 SIU Handlers for Use With RBM
705860 Sigma 5/7 Handler for 7969 Frequency Control Unit
706123 Sigma 2/3 7969 SIU Handler (FORTRAN)

**7970A01 FREQUENCY SOURCE, MANUAL
ASSEMBLY NO. 138222**

Technical Manual: 980313 Model 7969/7972 Frequency Control Subsystem

Engineering Support Manual: 902392 Frequency Control, Basic

**7971A01 PROGRAM CONTROL, BASIC
ASSEMBLY NO. 138223**

Technical Manual: 980313 Model 7969/7972 Frequency Control Subsystem

Engineering Support Manual: 902392 Frequency Control, Basic

Diagnostic Software Program: 705860 Sigma 5/7 Handler for 7969 Frequency Control Unit

**7972A01 PROGRAMMABLE FREQUENCY SOURCE
ASSEMBLY NO. 138224**

Technical Manual: 980313 Model 7969/7972 Frequency Control Subsystem

Engineering Support Manual: 902392 Frequency Control, Basic

Diagnostic Software Programs: 704290 Sigma 2 SIU Connected to DIO Handler
704339 Sigma 5/7 SIU Connected to DIO Handler
705860 Sigma 5/7 Handler for 7969 Frequency Control Unit