

ASI-2000 and ASI-200-X

ASI Test System

The ASI Test System is a computer aided, modular system capable of testing a large variety of avionics equipment. Equipment tested includes the Collins Pro Line series, King Gold Crown series, and ARINC standard avionics units.

The heart of the ASI Test System is the ASI-2000 Mainframe which provides power, test points and computer interface. The ASI-2000 will interface to an Apple IIe or a PC (AT compatible or above) computer. Use of the PC requires an ASI-401 interface panel. Computer cards required for testing are listed below (see ASI-401 catalog page for more information concerning use of the interface panel and a PC compatible computer).

Apple IIe Cards:	Mfg Part Number	ASI-200-X Plug-In to be used with ASI-2000
Collins Pro line II Card	653-1154-001	ASI-200-1/2()/3/4/5/6/10/11/12/13/14/15/17A/18/19/28
JcAir 429 Card	200-5099-00	ASI-200-10/11/12/13/14/17A/18/19
King Sync Card	200-7164-00 or 050-2606-00	ASI-200-7/16
King Async Card	200-7157-00 or 050-2605-00	ASI-200-7/16
Computer not required		ASI-200-8/9/20/21/22/23/24/25/26
PC Compatible Card:	Mfg Part Number	ASI-200-X Plug-In to be used with ASI-2000
Collins CTC-429 Card	822-0854-001	ASI-200-1/2()/3/4/5/6/10/11/12/13/14/15/17A/18/19/27

The ASI-200-X series of plug-in adapters provides interface from the ASI-2000 to the various types of uut (unit under test). The entire line of ASI-200-X Plug-Ins are listed below along with the units tested by the plug-in (see individual catalog page for more information).

ASI-200-1	Collins CTL-22,23,32,62,92	ASI-200-13	Collins DME-442
ASI-200-2A	Collins VIR-30,31,32	ASI-200-14	Collins TDR-90,CAD-870G
ASI-200-2B	Collins VIR-30,31,32	ASI-200-15	Collins DDA-42
ASI-200-2C	Collins VIR-30,31,32	ASI-200-16	King KDM-706A
ASI-200-2D	Collins VIR-30,31,32	ASI-200-17A	Collins RTU-870A,RTU-870T
ASI-200-3	Collins VHF-20,21,22	ASI-200-18	Collins CAD-870,RAC-870
ASI-200-4	Collins CAD-31,62	ASI-200-19	Collins BIA-32
ASI-200-5	Collins DME-40,40A,42	ASI-200-20	Collins ALT-50A,55B,860F-2
ASI-200-5A-1	DME-Simulator Card	ASI-200-21	Collins CTL-20,21,30,31,60,61,90,91
ASI-200-6	Collins CTL-230	ASI-200-22	Collins BRG-40
ASI-200-7	King KFS	ASI-200-23	ARINC Glide Slope
ASI-200-8	ARINC COM	ASI-200-24	ARINC DME
ASI-200-9	ARINC NAV	ASI-200-25	ARINC Transponder
ASI-200-10	Collins ADF-60,60A,60B,462	ASI-200-26	ARINC Marker Beacon
ASI-200-11	Collins VHF-422	ASI-200-27	Collins CTL-92T (PC Computer only)
ASI-200-12	Collins VIR-432	ASI-200-28	ASI-2000 / Proline II Card

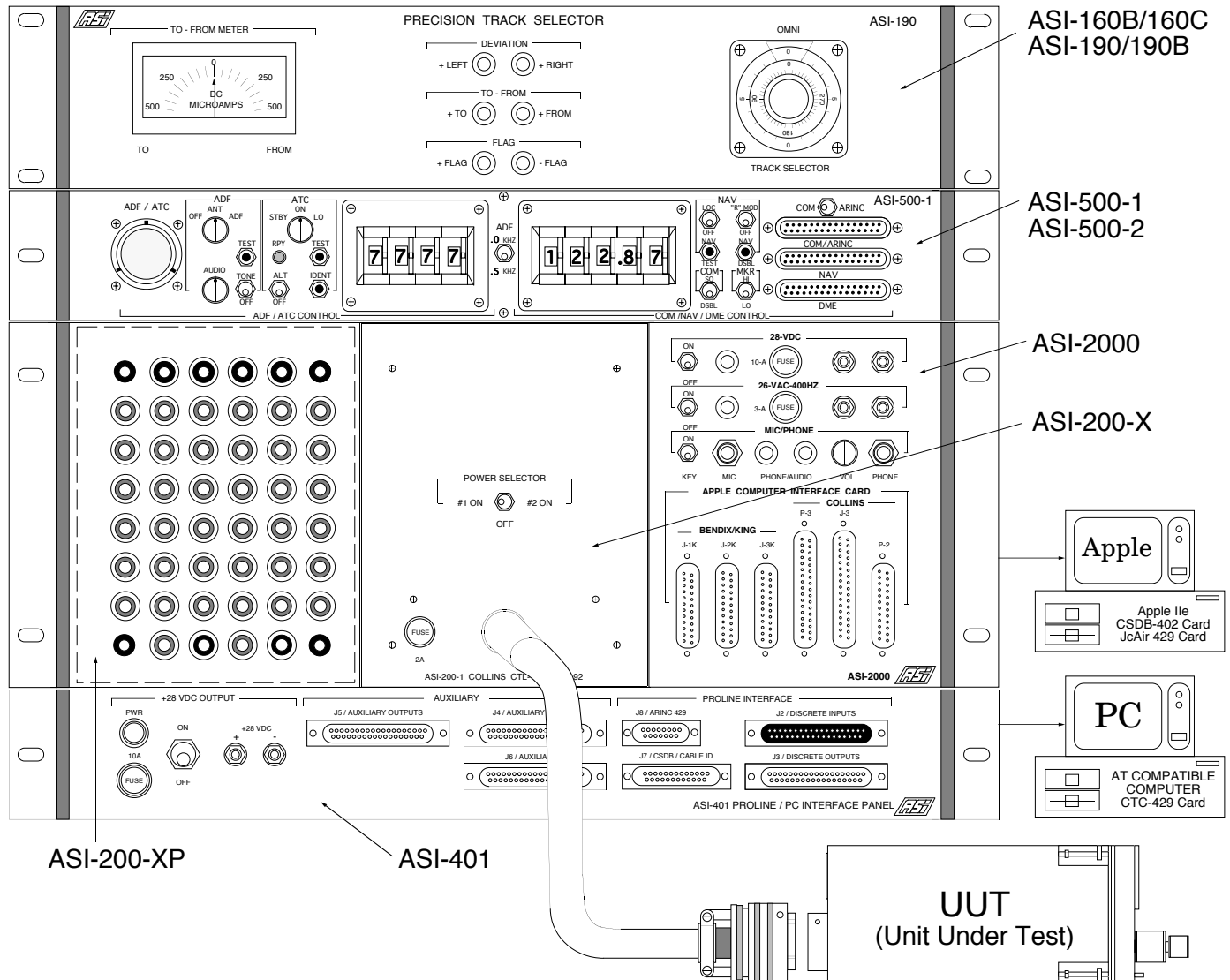
ASI also manufactures a large variety of optional cables and equipment for special test needs or requirements (see the optional equipment area on each individual catalog page for more information on these accessories).

Reconditioned Apple IIe Computers, configured for avionics testing, and computer accessories can be purchased from ASI (see ASI-2000 Compatible Computer catalog page). King cards must be purchased directly from King. PC compatible computers must be purchased from the user's local dealer. The PC compatible computer requirements are listed below.

Minimum Computer Requirements:
 ISA-BUS (AT) Computer (8 MHz 286 CPU)
 640 KB RAM / VGA video
 40 MB hard drive / 3.5" 1.44 MB disk drive
 1 parallel port / 3 empty full size ISA slots
 MS-DOS version 3.3

Recommended Computer Requirements:
 VESA LOCAL BUS Computer (66 MHz 486DX CPU)
 1 MB RAM (expandable to 16 MB) / SVGA video
 200 MB hard drive / 3.5" 1.44 MB disk drive
 1 parallel port / 5 empty full size ISA slots
 MS-DOS version 6.2 or newer

REV 3
12-1-99



ASI Model	Description	Equipment Function
ASI-2000	Test System Mainframe	Provides Power, Test Points, and Computer Interface.
ASI-200-X	Plug-In Adapters	Provides Switching and Interconnects UUT to Mainframe.
ASI-200-XP	Test Point Overlay	Labels Test Points for Specific UUT (Supplied with ASI-200-X).
ASI-401	Pro Line / PC Interface	Interfaces ASI-2000 to PC Compatible Computer.
ASI-160/190	Precision Track Selector	Supplies Heading / Track Selector and Meter Monitoring.
ASI-500-1	Control Head Simulator	Simulates Various Control Heads.

CTL-X2/X2A Control Plug-In**ASI-200-1****Description of Operation:**

The ASI-200-1, when used with the ASI-2000 and a computer, allows testing and repair of the Collins CTL-X2/X2A line of control heads.

The Plug-in is equipped with a hardwired CTL-32/32A cable and 3 adapter cables to test the CTL-22/62/92. An adapter cable to test the CTL-23 is optional.

The ASI-200-1 is manufactured to Collins specifications to allow "by the book" testing of the uut using Collins test procedures.

Manual Reference:

CTL-X2/X2A Fig. 5-1 / CTL-23 Fig. 903-904

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 5.50"

Units Tested

CTL-22/22A/22C	523-0773-212/523-0777-249	523-0777-533
CTL-23/23C	523-0777-506/523-0777-507	523-0777-532
CTL-32/32A	523-0773-213/523-0777-250	523-0777-534
CTL-62/62A	523-0773-214/523-0777-251	523-0777-535
CTL-92/92A	523-0773-215/523-0777-252	523-0777-536

Apple Software**PC Software****Equipment Supplied:**

ASI-200-1P	Overlay: ASI-2000 Test Points for CTL-X2/X2A
ASI-10-1A	Cable: ASI-200-1 TO CTL-22 Control Head
ASI-10-1B	Cable: ASI-200-1 TO CTL-62 Control Head
ASI-10-1C	Cable: ASI-200-1 TO CTL-92 Control Head

Optional Equipment

ASI-10-1D	Cable: ASI-200-1 TO CTL-23 Control Head
ASI-10-1D1	Cable: A6 Extender
ASI-10-1E	Cable: A2 Extender
ASI-10-1F	Cable: A3 Extender
ASI-10-1G	Cable: A1/A2/A6 Extender

ALL TEST SOFTWARE MUST BE PURCHASED DIRECT FROM COLLINS

VIR-30/31/32/33 Navigation Plug-In with OBS**ASI-200-2A****Description of Operation:**

The ASI-200-2A, when used with the ASI-2000 and a computer, allows testing and repair of the Collins VIR-30/31/32/33 series of navigation receivers.

The plug-in is equipped with a heading synchro and a front panel connector for an external OBS source with a To-From meter such as an ASI-190() or Collins 479V-3

The ASI-200-2A is manufactured to Collins specifications to allow "by the book" testing of the uut using Collins test procedures.

Manual Reference:

VIR-32 Fig. 5-10 - 5-11

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 5.50"

Units Tested

VIR-30	Not Required	Not Required
VIR-31	Not Required	Not Required
VIR-32	523-0772-821/-906/523-0773-172	523-0777-554
VIR-33	523-0772-821/-906/523-0773-172	523-0777-554

Apple Software**PC Software****Equipment Supplied:**

ASI-200-2P	Overlay: ASI-2000 Test Points for VIR-30/31/32/33
------------	---

Optional Equipment

ASI-10-2A	Cable: ASI-200-2A to OBS source (ASI-160/-190)
ASI-10-2D	Cable: ASI-2000 to NAV-750() for manual control
ASI-10-2E	Cable: ASI-2000 to CTL-30 for manual control
ASI-10-2F	Cable: ASI-200-2A to 479V-3 (ASI-161)
ASI-10-2G	Cable: Collins 332C-10 to RMI-36 adapter
ASI-10-2H	Cable: ASI-200-2() to VIR-31-P3 and 332C-10
ASI-10-2K	Cable: A5P1 Extender
ASI-10-2L	Cable: A5P2 extender
ASI-10-2M	Cable: ASI-200-2() to CTL-32

ALL TEST SOFTWARE MUST BE PURCHASED DIRECT FROM COLLINS

VIR-30/31/32/33 Navigation Plug-In with OBS/HDG/To-From Meter**ASI-200-2B****Description of Operation:**

The ASI-200-2B, when used with the ASI-2000 and a computer, allows testing and repair of the Collins VIR-30/31/32/33 series of navigation receivers.

The plug-in is equipped with a To-From meter, OBS resolver, and Heading synchro. The ASI-200-2B does not require an external OBS / HDG source panel.

The ASI-200-2B is manufactured to Collins specifications to allow "by the book" testing of the uut using Collins test procedures.

Manual Reference:

VIR-32 Fig. 5-10 - 5-11

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 5.50"

Units Tested

VIR-30	Not Required	Not Required
VIR-31	Not Required	Not Required
VIR-32	523-0772-821/-906/523-0773-172	523-0777-554
VIR-33	523-0772-821/-906/523-0773-172	523-0777-554

Apple Software**PC Software****Equipment Supplied:**

ASI-200-2P	Overlay: ASI-2000 Test Points for VIR-30/31/32/33
------------	---

Optional Equipment

ASI-10-2D	Cable: ASI-2000 to NAV-750() for manual control
ASI-10-2E	Cable: ASI-2000 to CTL-30 for manual control
ASI-10-2G	Cable: Collins 332C-10 to RMI-36 adapter
ASI-10-2H	Cable: ASI-200-2() to VIR-31-P3 and 332C-10
ASI-10-2K	Cable: A5P1 Extender
ASI-10-2L	Cable: A5P2 extender
ASI-10-2M	Cable: ASI-200-2() to CTL-32

REV 3
9-5-00

ALL TEST SOFTWARE MUST BE PURCHASED DIRECT FROM COLLINS

VIR-30/31/32/33 Navigation Plug-In with To-From Meter**ASI-200-2C****Description of Operation:**

The ASI-200-2C, when used with the ASI-2000 and a computer, allows testing and repair of the Collins VIR-30/31/32/33 series of navigation receivers.

The plug-in is equipped with a To-From meter and a front panel connector for an ASI-160 external OBS and HDG source.

The ASI-200-2C is manufactured to Collins specifications to allow "by the book" testing of the uut using Collins test procedures.

Manual Reference:

VIR-32 Fig. 5-10 - 5-11

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 5.50"

Units Tested

VIR-30
VIR-31
VIR-32
VIR-33

Apple Software

Not Required
Not Required
523-0772-821/-906/523-0773-172
523-0772-821/-906/523-0773-172

PC Software

Not Required
Not Required
523-0777-554
523-0777-554

Equipment Supplied:

ASI-200-2P Overlay: ASI-2000 Test Points for VIR-30/31/32/33

Optional Equipment

ASI-10-2C Cable: ASI-200-2C to ASI-160B / ASI-160C
ASI-10-2D Cable: ASI-2000 to NAV-750() for manual control
ASI-10-2E Cable: ASI-2000 to CTL-30 for manual control
ASI-10-2F Cable: ASI-200-2C to 479V-3 (ASI-161)
ASI-10-2G Cable: Collins 332C-10 to RMI-36 adapter
ASI-10-2H Cable: ASI-200-2() to VIR-31-P3 and 332C-10
ASI-10-2K Cable: A5P1 Extender
ASI-10-2L Cable: A5P2 extender
ASI-10-2M Cable: ASI-200-2() to CTL-32

ALL TEST SOFTWARE MUST BE PURCHASED DIRECT FROM COLLINS

VIR-30/31/32/33 Navigation Plug-In**ASI-200-2D****Description of Operation:**

The ASI-200-2D, when used with the ASI-2000 and a computer, allows testing and repair of the Collins VIR-30/31/32/33 series of navigation receivers.

The plug-in is equipped with a heading synchro and front panel connectors for an external OBS/HDG source with a To-From meter such as an ASI-160B or ASI-160C.

The ASI-200-2D is manufactured to Collins specifications to allow "by the book" testing of the uut using Collins test procedures.

Manual Reference:

VIR-32 Fig. 5-10 - 5-11

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 5.50"

Units Tested

VIR-30
VIR-31
VIR-32
VIR-33

Apple Software

Not Required
Not Required
523-0772-821/-906/523-0773-172
523-0772-821/-906/523-0773-172

PC Software

Not Required
Not Required
523-0777-554
523-0777-554

Equipment Supplied:

ASI-200-2P Overlay: ASI-2000 Test Points for VIR-30/31/32/33

Optional Equipment

ASI-10-2A Cable: ASI-200-2D to OBS source (ASI-160/-190)
ASI-10-2B Cable: ASI-200-2D to ASI-160B/C
ASI-10-2D Cable: ASI-2000 to NAV-750() for manual control
ASI-10-2E Cable: ASI-2000 to CTL-30 for manual control
ASI-10-2F Cable: ASI-200-2D to 479V-3 (ASI-161)
ASI-10-2G Cable: Collins 332C-10 to RMI-36 adapter
ASI-10-2I Cable: ASI-200-2D VIR-31, 332C-10, and ASI-140
ASI-10-2J Cable: ASI-200-2D to VIR-31 and ASI-160B/C
ASI-10-2K Cable: A5P1 Extender
ASI-10-2L Cable: A5P2 extender
ASI-10-2M Cable: ASI-200-2() to CTL-32

ALL TEST SOFTWARE MUST BE PURCHASED DIRECT FROM COLLINS

VHF-20/21/22 Communications Plug-In**ASI-200-3****Description of Operation:**

The ASI-200-3, when used with the ASI-2000 and a computer, allows testing and repair of the Collins VHF-20/21/22 series of communications equipment.

The plug-in is equipped with a hardwired cable for the VHF-20/21/22. Optional cables provide manual testing of the VHF-21/22 if desired.

The ASI-200-3 is manufactured to Collins specifications to allow "by the book" testing of the uut using Collins test procedures.

Manual Reference:

VHF-21/22 Fig. 5-15

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 5.50"

Units Tested

VHF-20
VHF-21
VHF-22

Apple Software

Not Required
523-0772-820/523-0772-901
523-0772-820/523-0772-901

PC Software

Not Required
523-0777-552
523-0777-552

Equipment Supplied:

ASI-200-3P Overlay: ASI-2000 Test Points for VHF-20/21/22

Optional Equipment

ASI-10-3A Cable: ASI-2000 to Nav-750() for manual control
ASI-10-3B Cable: ASI-2000 to CTL-20 for manual control
ASI-10-3C Cable: ASI-2000 to NAV-760 for manual control
ASI-10-3D Cable: ASI-200-3 to CTL-22

REV 3
9-5-00

ALL TEST SOFTWARE MUST BE PURCHASED DIRECT FROM COLLINS

CAD-31/62 Control Adapter Control Plug-In**ASI-200-4****Description of Operation:**

The ASI-200-4, when used with the ASI-2000 and a computer, allows testing and repair of the Collins CAD-31/62 control adapters.

The Plug-in is equipped with a hardwired cable for the Collins CAD-31/62.

The ASI-200-4 is manufactured to Collins specifications to allow "by the book" testing of the uut using Collins test procedures.

Manual Reference:

CAD-31/62 Fig. 5-8 - 5-11

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 5.50"

Units Tested

CAD-31
CAD-62

Apple Software

523-0774-353
523-0773-168

PC Software

523-0777-529
523-0777-528

Equipment Supplied:

ASI-200-4P Overlay: ASI-2000 Test Points for CTL-X2/X2A

Optional Equipment

ALL TEST SOFTWARE MUST BE PURCHASED DIRECT FROM COLLINS

DME-40/42 Plug-In**ASI-200-5****Description of Operation:**

The ASI-200-5, when used with the ASI-2000 and a computer, allows testing and repair of the Collins DME-40, DME-42, and IND-42/42A/42C/42M.

The plug-in is equipped with hardwired cables for the DME-40/42, IND-42, and CTL-32. The DME simulator (ASI-200-5A1) is required when testing the DME-42.

The ASI-200-5 is manufactured to Collins specifications to allow "by the book" testing of the uut using Collins test procedures.

Manual Reference:

DME-42 Appendix D Fig. 1-2

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 8.00"

Units Tested

DME-40
DME-42
IND-42A/C/M

Apple Software

Not Required
523-0773-211/-264/-265
523-0773-272

PC Software

Not Required
523-0777-540
523-0777-547

Equipment Supplied:

ASI-200-5P Overlay: ASI-2000 Test Points for VIR-30/31/32/33

Optional Equipment

ASI-10-5A Cable: ASI-200-5 to KEC-1030/Squawk Naut I
ASI-10-5B Cable: ASI-200-5 to CTL-30
ASI-10-5C Cable: ASI-200-5 to ATC-1400 (manual testing)
ASI-10-5D Cable: ASI-200-5 to IND-40/-41. 339F-12, 313N-4D
ASI-10-5E Cable: ASI-200-5 to ATC-1400 (computer testing)
ASI-200-5A1 DME Simulator Card (cpn 647-6787-001)

ALL TEST SOFTWARE MUST BE PURCHASED DIRECT FROM COLLINS

DME-42/442 Simulator Card**ASI-200-5A1****Description of Operation:**

The ASI-200-5A1 (when used with the ASI-2000, ASI-200-5/-13, and a computer) aids in testing and repair of the Collins DME-42 and DME-442.

The ASI-200-5A1 simulates the operation of one or more ground station interrogations during testing of the DME-42/442.

The ASI-200-5A1 is manufactured to Collins specifications to allow "by the book" testing of the uut using Collins test procedures.

Manual Reference:

DME-42/42 Appendix D Fig. 6-7 (cpn 647-6787-001)

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 5.50"

Units Tested

DME-42
DME-442

Apple Software

523-0773-211/-264/-265
523-0774-346/-347/-348

PC Software

523-0777-540
523-0777-541

Equipment Supplied:**Optional Equipment**

ASI-200-5 Plug-In: ASI-2000 to DME-40/42
ASI-200-13 Plug-In: ASI-2000 to DME-442

REV 2
3-1-98

ALL TEST SOFTWARE MUST BE PURCHASED DIRECT FROM COLLINS

CTL-230 HF Control Plug-In**ASI-200-6**Description of Operation:

The ASI-200-6, when used with the ASI-2000 and a computer, allows testing and repair of the Collins CTL-230 HF control head.

The Plug-in is equipped with a hardwired cable to test the CTL-230.

The ASI-200-6 is manufactured to Collins specifications to allow "by the book" testing of the uut using Collins test procedures.

Manual Reference:

CTL-230 Fig. 5-2

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 5.50"

Units Tested

CTL-230

Apple Software

523-0773-518

PC Software

TBA

Equipment Supplied:

ASI-200-6P Overlay: ASI-2000 Test Points for CTL-230

Optional Equipment

ALL TEST SOFTWARE MUST BE PURCHASED DIRECT FROM COLLINS

KFS Control Plug-In**ASI-200-7**Description of Operation:

The ASI-200-7, when used with the ASI-2000 and a computer, allows testing and repair of the King KFS series of control heads.

The ASI-200-7 is supplied with five adapter cables to test the KFS control heads. A KA-579A (ASI-71) power supply is required for testing.

The ASI-200-7 is manufactured to King specifications to allow "by-the book" testing of the uut using King test procedures.

Reference:

Replaces King KCA-110 kpn 071-5084-00

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 5.50"

Units Tested

KFS-564/564A

KFS-576/576A

KFS-579/579A

KFS-586/586A

KFS-598/598A

Apple Software

222-0002-00

222-0005-00

222-0004-00

222-0003-00

222-0006-01

PC Software

N/A

N/A

N/A

N/A

N/A

Equipment Supplied:

ASI-200-7P Overlay: ASI-2000 Test Points for KFS Series

ASI-10-7A Cable: ASI-200-7 to KFS-564/564A

ASI-10-7B Cable: ASI-200-7 to KFS-576/576A

ASI-10-7C Cable: ASI-200-7 to KFS-579/579A

ASI-10-7D Cable: ASI-200-7 to KFS-586/586A

ASI-10-7E Cable: ASI-200-7 to KFS-598/598A

Optional Equipment

ASI-71 Power Supply (KA-579A)

ALL TEST SOFTWARE MUST BE PURCHASED DIRECT FROM KING

ARINC COM Plug-In**ASI-200-8**Description of Operation:

The ASI-200-8, when used with the ASI-2000, allows testing and repair of ARINC standard and other Communications equipment.

The ASI-200-8 is designed to expand shop capability in facilities already equipped with Linaire test panels. The ASI-200-8 utilizes all LT-5 and LA-5 cables.

Channeling may be incorporated by the addition of an ASI-500-1 control head simulator or with the optional cables listed to utilize other control sources.

Reference:

Substitutes for Linaire LT-5 / LA-5 panels

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 5.50"

Units Tested

Various COM

Apple Software

N/A

PC Software

N/A

Equipment Supplied:

ASI-200-8P Overlay: ASI-2000 Test Points

Optional Equipment

ASI-10-8A Cable: ASI-2000 to CTL-20

ASI-10-8B Cable: ASI-2000 to LTC-1

ASI-10-8C Cable: ASI-2000 to NAV-750()

ASI-500-1 Control Head Simulator

REV 2
3-1-98

ARINC NAV Plug-In**ASI-200-9**Description of Operation:

The ASI-200-9, when used with the ASI-2000, allows testing and repair of ARINC standard and other navigation equipment.

The ASI-200-9 is designed to expand shop capability in facilities already equipped with Linaire test panels. The ASI-200-9 utilizes all LV-5 cables.

Channeling may be incorporated by the addition of an ASI-500-1 control head simulator or with the optional cables listed to utilize other control sources.

Reference:

Substitutes for Linaire LV-5

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 5.50"

Units Tested

Various NAV

Apple Software

N/A

PC Software

N/A

Equipment Supplied:

ASI-200-9P Overlay: ASI-2000 Test Points

Optional Equipment

ASI-10-9A	Cable: ASI-2000 to CTL-30
ASI-10-9B	Cable: ASI-2000 to LVC-4
ASI-10-9C	Cable: ASI-2000 to NAV-750()
ASI-10-9D	Cable: ASI-200-9 to VIR-130A
ASI-500-1	Control Head Simulator

ADF-60/462 Plug-In**ASI-200-10**Description of Operation:

The ASI-200-10, when used with the ASI-2000 and a computer, allows testing and repair of the Collins ADF-60 and ADF-462.

The plug-in is equipped with hardwired cables for the ADF-60, ADF-462, and a control (614L-11/12/13 or ASI-500-1). A loop antenna or simulator (ASI-61 or 970W-1) and RMI indicator are required for operation.

The ASI-200-10 is manufactured to Collins specifications to allow "by the book" testing using Collins procedures.

Manual Reference:

ADF-60 Fig. 6-1 / ADF-462 Fig. 5-7

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 5.50"

Units Tested

ADF-60

ADF-462

Apple Software

Not Required

523-0774-019/047/433/434/435

PC Software

Not Required

523-0777-526

Equipment Supplied:

ASI-200-10P	Overlay: ASI-2000 Test Points for ADF-60/462
ASI-10-10A	Cable: ASI-200-10 to ASI-61, 970W-1 or ANT-60A
ASI-10-10B	Cable: ASI-200-10 to RMI-36

Optional Equipment

ASI-10-10C	Cable: ASI-200-10 to 332C-10
ASI-10-10D	Cable: ASI-2000 to CTL-62
ASI-10-10E	Cable: ASI-200-10 to ASI-160/-160B/-160C
ASI-10-10F	Cable: ASI-200-10 to 699Z-1 and 332C-10
ASI-61	ADF Loop Antenna Simulator (Replaces 970W-1)
ASI-278	ADF Loop Antenna Tester (969W-1)
ASI-500-1	Control Head Simulator

ALL TEST SOFTWARE MUST BE PURCHASED DIRECT FROM KING

VHF-422 Communication Plug-In**ASI-200-11**Description of Operation:

The ASI-200-11, when used with the ASI-2000 and a computer, allows testing and repair of the Collins VHF-422.

The plug-in is equipped with a hardwired cable for the VHF-422.

The ASI-200-11 is manufactured to Collins specifications to allow "by the book" testing of the uut using Collins test procedures.

Manual Reference:

VHF-422 Fig. 5-15

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 5.50"

Units Tested

Various COM

Apple Software

523-0774-352/374/375

PC Software

523-0777-553

Equipment Supplied:

ASI-200-11P Overlay: ASI-2000 Test Points for VHF-422

Optional Equipment

ASI-10-11A Cable: ASI-2000 to CTL-22

REV 2
3-1-98

ALL TEST SOFTWARE MUST BE PURCHASED DIRECT FROM COLLINS

VIR-432/433 Navigation Plug-In**ASI-200-12****Description of Operation:**

The ASI-200-12, when used with the ASI-2000 and a computer, allows testing and repair of the Collins VIR-432 and VIR-433.

The Plug-in is equipped with a hardwired cable for the VIR-432/433. An optional cable for manual testing with a CTL-32 is available.

The ASI-200-12 is manufactured to Collins specifications to allow "by the book" testing of the uut using Collins test procedures.

Manual Reference:

VIR-432/433 Fig. 5-6

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 5.50"

Units Tested

VIR-432
VIR-433

Apple Software

523-0774-216/217/218
523-0774-216/217/218

PC Software

523-0777-555
523-0777-555

Equipment Supplied:

ASI-200-12P Overlay: ASI-2000 Test Points for VIR-432/433

Optional Equipment

ASI-10-12A Cable: ASI-2000 to CTL-32

ALL TEST SOFTWARE MUST BE PURCHASED DIRECT FROM COLLINS

DME-442 Plug-In**ASI-200-13****Description of Operation:**

The ASI-200-13, when used with the ASI-2000 and a computer, allows testing and repair of the Collins DME-442

The plug-in is equipped with hardwired cables for the DME-442, IND-42, and CTL-32. The DME simulator (ASI-200-5A1) is required for testing the DME-442.

The ASI-200-13 is manufactured to Collins specifications to allow "by the book" testing of the uut using Collins test procedures.

Manual Reference:

DME-442 Appendix D Fig. 2

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 8.00"

Units Tested

DME-442

Apple Software

523-0774-346/347/348

PC Software

523-0777-541

Equipment Supplied:

ASI-200-13P Overlay: ASI-2000 Test Points for DME-442

Optional Equipment

ASI-200-5A1 DME Simulator Card (cpn 647-6787-001)

ALL TEST SOFTWARE MUST BE PURCHASED DIRECT FROM COLLINS

TDR-90/CAD-870G Plug-In**ASI-200-14****Description of Operation:**

The ASI-200-14, when used with the ASI-2000 and a computer, allows testing and repair of the Collins TDR-90 and CAD-870G.

The plug-in is equipped with hardwired cables for the TDR-90 and CAD-870G. Manual control may be provided by an ASI-500-1 or optional cables listed.

The ASI-200-14 is manufactured to Collins specifications to allow "by the book" testing of the uut using Collins test procedures.

Manual Reference:

CAD-870G Fig. 5-6

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 5.50"

Units Tested

TDR-90
CAD-870G

Apple Software

Not Required
523-0775-916

PC Software

Not Required
523-0777-531

Equipment Supplied:

ASI-200-14P Overlay: ASI-2000 Test Points

Optional Equipment

ASI-10-14A Cable: ASI-2000 to 613L-3
ASI-10-14B Cable: ASI-2000 to ASI-500-1
ASI-10-14C Cable: ASI-2000 to CTL-90
ASI-10-14D Cable: ASI-2000 to CAD-62/CTL-92
ASI-500-1 Control Head Simulator

REV 2
3-1-98

ALL TEST SOFTWARE MUST BE PURCHASED DIRECT FROM COLLINS

DDA-42 Plug-In**ASI-200-15**Description of Operation:

The ASI-200-15, when used with the ASI-2000 and a computer, allows testing and repair of the Collins DDA-42.

The Plug-in is equipped with hardwired cables for the DDA-42 and an indicator (IND-40, IND-41, or 339F-12).

The ASI-200-15 is manufactured to Collins specifications to allow "by the book" testing of the uut using Collins test procedures.

Manual Reference:

DDA-42 Fig. 5-3

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 5.50"

Units Tested

DDA-42

Apple Software

523-0774-035

PC Software

TBA

Equipment Supplied:

ASI-200-15P Overlay: ASI-2000 Test Points for DDA-42

Optional Equipment

ALL TEST SOFTWARE MUST BE PURCHASED DIRECT FROM COLLINS

KDM-706A Plug-In**ASI-200-16**Description of Operation:

The ASI-200-16, when used with the ASI-2000 and a computer, allows testing and repair of the King KDM-706A.

The plug-in is equipped with hardwired cables for the KDM-706A.

The ASI-200-16 is manufactured to King specifications to allow "by the book" testing of the uut using King test procedures.

Reference:

Replaces King KCA-160 kpn 071-5113-00

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 5.50"

Units Tested

KDM-706A

Apple Software

222-0120-00

PC Software

N/A

Equipment Supplied:

ASI-200-16P Overlay: ASI-2000 Test Points for KDM-706A

Optional Equipment

ALL TEST SOFTWARE MUST BE PURCHASED DIRECT FROM KING

RTU-870A/870T Plug-In**ASI-200-17A**Description of Operation:

The ASI-200-17A, when used with the ASI-2000 and a computer, allows testing and repair of the Collins RTU-870A and RTU-870T.

The plug-in is equipped with hardwired cable for the RTU-870A/870T.

The ASI-200-17A is manufactured to Collins specifications to allow "by-the book" testing of the uut using Collins test procedures.

Manual Reference:

RTU-870A/870T Fig. 901

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 5.50"

Units Tested

RTU-870A

RTU-870T

Apple Software

523-0776-895

523-0776-974

PC Software

523-0777-550

523-0777-550

Equipment Supplied:

ASI-200-17P Overlay: ASI-2000 Test Points for RTU-870A/T

Optional Equipment

ASI-10-17A-A2 Cable: Extender No. 1 Display Driver Card (A2)

ASI-10-17A-A3 Cable: Extender No. 2 Display Driver Card (A3)

REV 2
3-1-98

ALL TEST SOFTWARE MUST BE PURCHASED DIRECT FROM COLLINS

CAD-870/RAC-870 Plug-In**ASI-200-18**Description of Operation:

The ASI-200-18, when used with the ASI-2000 and a computer, allows testing and repair of the Collins CAD-870 and RAC-870.

The Plug-in is equipped with a hardwired cable for the CAD-870 and RAC-870.

The ASI-200-18 is manufactured to Collins specifications to allow "by the book" testing of the uut using Collins test procedures.

Manual Reference:

CAD-870 Fig 5-4 - 5-5 / RAC-870 Fig. 5-5 - 5-6

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 5.50"

Units Tested

CAD-870
RAC-870

Apple Software

523-0774-244
523-0774-342

PC Software

523-0777-530
523-0777-549

Equipment Supplied:

ASI-200-18P Overlay: ASI-2000 Test Points for CAD/RAC-870

Optional Equipment

ALL TEST SOFTWARE MUST BE PURCHASED DIRECT FROM COLLINS

BIA-32 Plug-In**ASI-200-19**Description of Operation:

The ASI-200-19, when used with the ASI-2000 and a computer, allows testing and repair of the Collins BIA-32

The plug-in is equipped with hardwired cable for the BIA-32 and a RMI (RMI-36 or BDI-36) cable. An optional cable for a RMI-30 is available.

The ASI-200-19 is manufactured to Collins specifications to allow "by the book" testing of the uut using Collins test procedures.

Manual Reference:

BIA-32 Fig. 5-7

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 5.50"

Units Tested

BIA-32

Apple Software

523-0775-431

PC Software

TBA

Equipment Supplied:

ASI-200-19P Overlay: ASI-2000 Test Points for DME-442
ASI-10-19B Cable: ASI-200-19 to RMI-36 or BDI-36

Optional Equipment

ASI-10-19A Cable: ASI-200-19 to RMI-30

ALL TEST SOFTWARE MUST BE PURCHASED DIRECT FROM COLLINS

ALT-50A/55B/860F-2 Plug-In**ASI-200-20**Description of Operation:

The ASI-200-20, when used with the ASI-2000, allows testing and repair of the Collins ALT-50A, ALT-55B, and 860F-2.

The plug-in is equipped with hardwired cables for the ALT-50A/55B/860F-2 and indicator (ALI-55/55A/55B/339H-4/4A).

The ASI-200-20 is manufactured to Collins specifications to allow "by the book" testing of the uut using Collins test procedures.

Manual Reference:

ALT-50A/55B Fig. 5-1

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 5.50"

Units Tested

ALT-50A
ALT-55B
860F-2

Apple Software

Not Required
Not Required
Not Required

PC Software

Not Required
Not Required
Not Required

Equipment Supplied:

ASI-200-20P Overlay: ASI-2000 Test Points

Optional EquipmentREV 2
3-1-98

CTL-X0/X1 Plug-In**ASI-200-21**Description of Operation:

The ASI-200-21, when used with the ASI-2000, allows testing and repair of the Collins CTL-20/21, CTL-30/31, CTL-60/61, CTL-90/91.

The Plug-in is equipped with a hardwired cable for the CTL-X0/X1 Control.

The ASI-200-21 is manufactured to Collins specifications to allow "by the book" testing of the uut using Collins test procedures.

Manual Reference:

CTL-X0 Fig. 5-6 (Replaces CTS-231 cpn 622-5188-001)

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 5.50"

Units Tested

CTL-20/21
CTL-30/31
CTL-60/61
CTL-90/91

Apple Software

Not Required
Not Required
Not Required
Not Required

PC Software

Not Required
Not Required
Not Required
Not Required

Equipment Supplied:

ASI-200-21P Overlay: ASI-2000 Test Points for CTL-X0/X1

Optional Equipment**BRG-40 Plug-In****ASI-200-22**Description of Operation:

The ASI-200-22, when used with the ASI-2000, allows testing and repair of the Collins BRG-40.

The plug-in is equipped with hardwired cables for the BRG-40 and a 332C-10/10B indicator. A track selector (ASI-190 or 479V-3) is required for testing.

The ASI-200-22 is manufactured to Collins specifications to allow "by the book" testing of the uut using Collins test procedures.

Manual Reference:

BRG-40 Maintenance Fig. 2

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 5.50"

Units Tested

BRG-40

Apple Software

Not Required

PC Software

Not Required

Equipment Supplied:

ASI-200-22P Overlay: ASI-2000 Test Points for BRG-40

Optional Equipment

ASI-190/-190B Universal Precision Track Selector

ASI-161 Universal Precision Track Selector (479V-3)

ARINC Glide Slope Plug-In**ASI-200-23**Description of Operation:

The ASI-200-23 when used with the ASI-2000, allows testing and repair of ARINC standard and other glide slope equipment.

The ASI-200-23 is designed to expand shop capability in facilities already equipped with Linaire test panels. This plug-in will work with all LG-4 test cables.

Reference:

Substitutes for Linaire LG-4

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 5.50"

Units Tested

Various GS

Apple Software

N/A

PC Software

N/A

Equipment Supplied:

ASI-200-23P Overlay: ASI-2000 Test Points

Optional Equipment

ARINC DME Plug-In**ASI-200-24**Description of Operation:

The ASI-200-24 when used with the ASI-2000, allows testing and repair of ARINC standard and other DME equipment.

The ASI-200-24 is designed to expand shop capability in facilities already equipped with Linaire test panels. This plug-in will work with all LD-4 test cables.

Units Tested

Various DME

Apple Software

N/A

PC Software

N/A

Equipment Supplied:

ASI-200-24P Overlay: ASI-2000 Test Points

Optional EquipmentReference:

Substitutes for Linaire LD-4

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 5.50"

ARINC Transponder Plug-In**ASI-200-25**Description of Operation:

The ASI-200-25 when used with the ASI-2000, allows testing and repair of ARINC standard and other transponder equipment.

The ASI-200-25 is designed to expand shop capability in facilities already equipped with Linaire test panels. This plug-in will work with all LX-3B test cables.

Units TestedVarious
TranspondersApple Software

N/A

PC Software

N/A

Equipment Supplied:

ASI-200-25P Overlay: ASI-2000 Test Points

Optional EquipmentReference:

Substitutes for Linaire LX-3B

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 5.50"

ARINC Marker Beacon Plug-In**ASI-200-26**Description of Operation:

The ASI-200-26 when used with the ASI-2000, allows testing and repair of ARINC standard and other marker beacon equipment.

The ASI-200-26 is designed to expand shop capability in facilities already equipped with Linaire test panels. This plug-in will work with all LM-3 test cables.

Units TestedVarious
Marker BeaconApple Software

N/A

PC Software

N/A

Equipment Supplied:

ASI-200-26P Overlay: ASI-2000 Test Points

Optional EquipmentReference:

Substitutes for Linaire LM-3

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 5.50"

REV 2
3-1-98

CTL-92T Plug-In

ASI-200-27

Description of Operation:

The ASI-200-27, when used with the ASI-2000 and a computer (PC), allows testing and repair of the Collins CTL-92T TCAS Control Head.

The Plug-in is equipped with a hardwired cable for the CTL-92T.

The ASI-200-27 is manufactured to Collins specifications to allow "by-the book" testing of the uut using Collins test procedures.

Manual Reference:

CTL-92T Fig. 901-903

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 5.50"

Units Tested

CTL-92T

Apple Software

(Will not run with Apple)

PC Software

523-0777-537

Equipment Supplied:

ASI-200-27P Overlay: ASI-2000 Test Points for CTL-92T

Optional Equipment

ASI-10-1D1 Cable: A6 Extender
ASI-10-1E Cable: A2 Extender
ASI-10-1F Cable: A3 Extender
ASI-10-1G Cable: A1/A2/A6 Extender

ALL TEST SOFTWARE MUST BE PURCHASED DIRECT FROM COLLINS

ASI-2000 Test Adapter Plug-In

ASI-200-28

Description of Operation:

The ASI-200-28 allows complete testing of the ASI-2000 mainframe and associated computer equipment.

The plug-in tests all functions of the mainframe including connectors J2/J3/P3, test jacks, and main connector.

The ASI-200-28 also tests the Collins Apple software package, Collins CSDB-402 Pro Line II computer interface card (653-1154-001), and computer cables.

Manual Reference:

Equipment Specifications:

Height: 7.00" Width: 5.50" Depth: 5.50"

Units Tested

ASI-2000

Apple Software

523-0772-900

PC Software

523-0777-548

Equipment Supplied:

ASI-200-28P Overlay: ASI-2000 Test Points
ASI-200-28A2 Test Point Test Board
ASI-10-28A Ribbon Cable (25S/25S 60.0")

Optional Equipment

ALL TEST SOFTWARE MUST BE PURCHASED DIRECT FROM COLLINS