

ADS Air Data Test Panel

ASI-415-1

OEM Equivalent: Collins
MN: 970D-1A
PN: 622-5811-001
Manual: 523-0771559
Manual Figure: 4-1

UUT: ADS-80/-81/-82 Air Data System
ADC-80() / -81A/-82A / ALI-80()
MSI-80() / PRE-80() / VSI-80()
Size: H: 17.50" W: 19.00" D: 19.00"
Pwr: 28 VDC / 115 VAC 60Hz

Description:

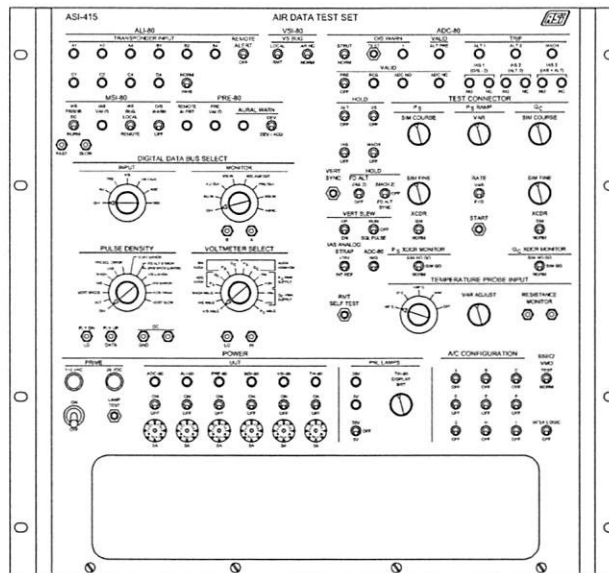
The ASI-415-1 Air Data Test Panel is a word generator/receiver and power/timing source used to verify proper operation of the Collins ADS-80/81/82 Air Data System units individually or together as a system.

Seven pendant cable assemblies and a 3-wire diagnostic probe assembly provide an interface with the individual units. signal switching and monitoring is controlled by the ASI-415-1 front panel and the video terminal/keyboard which is included with the test panel. The ASI-415-1 can transmit and receive Manchester, ARINC and pulse density words to verify proper unit operation.

The ASI-415-1 is supplied with a video terminal and an extender assembly kit (ASI-2227-001). The ASI-2227-001 (638-2227-001) includes the six extenders required to access the internal circuit cards of the various ADS-80/81/82 units.

Equipment Supplied:

ASI MN	OEM PN	Description
WY-185ES	VT-320	Video Terminal / Keyboard
ASI-2227-001	638-2227-001	Extender Kit (Includes Six Extenders)*
ASI-2221-001*	638-2221-001	Extender No. 1, ADC-80/81A/82A
ASI-2222-001*	638-2222-001	Extender No. 2, ADC-80/81A/82A
ASI-2223-001*	638-2223-001	Extender No. 3, PRE-80
ASI-2224-001*	638-2224-001	Extender No. 4, ALI-80/MSI-80/VSI-80
ASI-2225-001*	638-2225-001	Extender No. 5, ALI-80/MSI-80/VSI-80
ASI-2226-001*	638-2226-001	Extender No. 6, ALI-80/MSI-80/VSI-80



Optional Equipment:

ASI MN	OEM PN	Description
ASI-41-5A	NPN	Power Supply Load Fixture, ADC
ASI-41-5B	NPN	Pointer Alignment Fixture, ALI/MSI/VLI

ADS Air Data Test Panel

ASI-415-2

OEM Equivalent: Collins
MN: 970D-1A
PN: 622-5811-002
Manual: 523-0771559
Manual Figure: 4-1

UUT: ADS-80/-81/-82 Air Data System
ADC-80() / -81A/-82A / ALI-80()
MSI-80() / PRE-80() / VSI-80()
Size: H: 17.50" W: 19.00" D: 19.00"
Pwr: 28 VDC / 115 VAC 60Hz

Description:

The ASI-415-2 Test Panel is identical to the ASI-415-1 except that it is not supplied with the extender kit (ASI-2227-001).

Equipment Supplied:

ASI MN	OEM PN	Description
WY-185ES	VT-320	Video Terminal / Keyboard

Optional Equipment:

ASI MN	OEM PN	Description
ASI-41-5A	NPN	Power Supply Load Fixture, ADC
ASI-41-5B	NPN	Pointer Alignment Fixture, ALI/MSI/VLI
ASI-2227-001	638-2227-001	Extender Kit (Includes Six Extenders)*
ASI-2221-001*	638-2221-001	Extender No. 1, ADC-80/81A/82A
ASI-2222-001*	638-2222-001	Extender No. 2, ADC-80/81A/82A
ASI-2223-001*	638-2223-001	Extender No. 3, PRE-80
ASI-2224-001*	638-2224-001	Extender No. 4, ALI-80/MSI-80/VSI-80
ASI-2225-001*	638-2225-001	Extender No. 5, ALI-80/MSI-80/VSI-80
ASI-2226-001*	638-2226-001	Extender No. 6, ALI-80/MSI-80/VSI-80

DME Test Set

ASI-416

OEM Equivalent: Collins
MN: NMN
PN: NPN
Manual: 523-0770174 / 523-0770177
Manual Figure: 25 / 5-6

UUT: DME-40 / 339F-12
IND-40/-40A/-40B/-40C
IND-41/-41A/-41B/-41C
Size: H: 12.25" W: 19.00" D: 8.00"
Pwr: 28 VDC / 115 VAC 400Hz

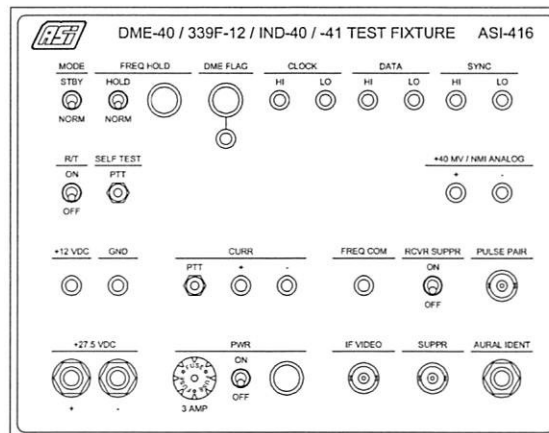
Description:

The ASI-416 DME Test Set works in conjunction with Squawk Naut, ATC-1200Y3, or ATC-1400 to test the Collins DME-40, DME Indicator (339F-12, IND-40/-41), and a VHF Control as a system.

The test set includes five pendant cables for interconnection of the DME-40, Indicator, VHF Control (313N-4D), and associated DME test equipment. The VHF Control is not required if the ATC-1400 is used to channel the DME-40.

The ASI-416 comes wired for the ATC-1400. Interconnection to a Squawk/Naut I/II requires the optional ASI-41-6A Adapter Cable.

See the Optional Equipment list for alternate test equipment available from ASI for testing the DME-40.



Equipment Supplied:

ASI MN	OEM PN	Description
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Optional Equipment:

ASI MN	OEM PN	Description
ASI-41-6A	NPN	Adapter Cable, ASI-416 to Squawk/Naut I/II
ASI-182	622-3582-001	DME Test Panel (975D-2)
ASI-200-5	NPN	DME Plug-In Adapter for ASI-2000
ASI-283	NPN	DME-40 Troubleshooting Probe
ASI-292	622-4725-001	DME-40 Test Panel (968W-1)

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