

ALT Test Panel

ASI-299

OEM Equivalent: Rockwell Collins
MN: NMN
PN: 828-8249-001
Manual: 523-0777844
Manual Figure: 901-902

UUT: ALT-55B / ALT-1000 / ALT-4000
ALI-55 / DRI-55
Size: H: 5.25" W: 19.00" D: 6.00"
Pwr: 28 VDC

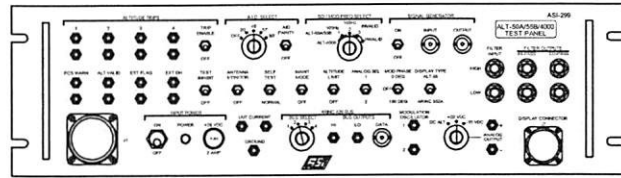
Description:

The ASI-299 ALT Test Panel provides capability to test and repair the Collins ALT-1000, ALT-4000, and ALT-55B Radio Altimeter R/T units. The ASI-299 provides power, test points, discretes, monitoring, and interconnection required for testing.

The ASI-299 works in conjunction with the Collins CTC-429 CSDB/ARINC interface card (822-0854-001), ISA computer, and the ASI-29-9G BITE interface cable to provide computer controlled testing of the ALT-4000. The Avionics GP-429 ARINC 429 interface module may be substituted in place of the Collins CTC-429 CSDB/ARINC interface card. For this application the ASI-29-9J BITE interface cable must be used instead of the ASI-29-9G. The ALT-4000 BITE Interface disk (831-4676-00x) must be purchased directly from Collins in order to ensure latest revision of the test software.

Equipment Supplied:

ASI MN	OEM PN	Description
ASI-29-9A	NPN	Cable, ASI-299 to ALT-4000/50A/55B/860F-2
ASI-29-9B	NPN	Cable, ASI-299 to ALI-55/339H-4
ASI-29-9C1	NPN	Cable, ASI-299 to DRI-55 (Use With ALT-55B)
ASI-29-9C2	NPN	Cable, ASI-299 to DRI-55 (Use With ALT-4000)



Test Software:

831-4676-00x ALT-4000 BITE Test Program

Optional Equipment:

ASI MN	OEM PN	Description
ASI-29-9C	NPN	DIR-55 Cable (For Use With ALT-55 and ALT-4000)
ASI-29-9D	NPN	ALT-50A/55B Pre-Amp Test Fixture (Restricted)
ASI-29-9E	NPN	ALT-4000 Digital Circuit Card Ext. Cable
ASI-29-9F	NPN	ALT-4000 Digital to XMTR Card Ext. Cable
ASI-29-9G	NPN	ALT-4000 BITE Interface Cable (CTC-429)
ASI-29-9H	NPN	ALT-4000 Digital Card Coaxial Ext. Cable
ASI-29-9J	NPN	ALT-4000 BITE Interface Cable (GP-429)
ASI-29-9K (Qty 2 Required)		ALT-50A/55B/860F-2 Special 13'-2" RF Test Cable
ASI-29-1	NPN	ALT-50A/55B/860F-2 XMTR/MOD Test Fixture
ASI-29-2	618-1673-002	ALT-50A/55B/860F-2 XMTR Dust Cover Fixture

Radio Test Set

ASI-300

OEM Equivalent: Rockwell Collins
MN: 973W-2
PN: 622-5058-001
Manual: 523-0772568 / 523-0770438
Manual Figure: 1

UUT: AN/ARC-182(V) System
628B-1() / 628U-2/11 / RT-1250()
RT-1324A/1327A/1360A/1407/1629
379F-1() / C-10319A/10776A/11131
ID-2121A/2229A/2303

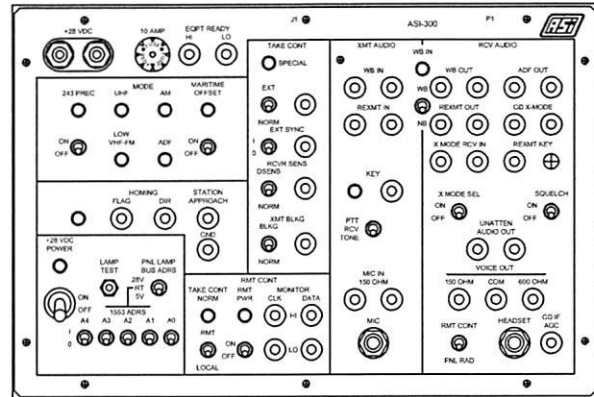
Size: H: 4.50" W: 12.00" D: 8.00"
Pwr: 28 VDC

Description:

The ASI-300 works in conjunction with an external MIL-STD-1553B Source and standard test equipment to provide manual intermediate and operational level maintenance for the Collins AN/ARC-182(V) UHF/VHF Communications System.

The ASI-300 test set is used for testing standard AN/ARC-182(V) units in operational modes. The test set includes test points, indicators, and switches to measure and monitor all major functions. It operates from 28 VDC power supply and supplies power to the units under test.

The test set includes pendant cable required for interconnection of the receiver-transmitter and an adapter cable (ASI-30-0A) for the control and indicator.



Equipment Supplied:

ASI MN	OEM PN	Description
ASI-30-0A	642-2511-001	Adapter Cable, Control / Indicator

Optional Equipment:

ASI MN	OEM PN	Description
ASI-30-1K	NPN	Microphone Simulator

Radio Test Set

ASI-301

OEM Equivalent: Rockwell Collins
MN: 973W-3
PN: 622-6121-001
Manual: 523-0772568 / 523-0774920
Manual Figure: 1

UUT: AN/ARC-182(V) System
628B-1() / 628U-1/2/11 / RT-1250()
RT-1324A/1327A/1360A/1407/1629
379F-1() / C-10319A/10776A/11131
C-12036 / ID-2121A/2229A/2303

Size: H: 7.00" W: 19.00" D: 13.00"
Pwr: 28 VDC

Description:

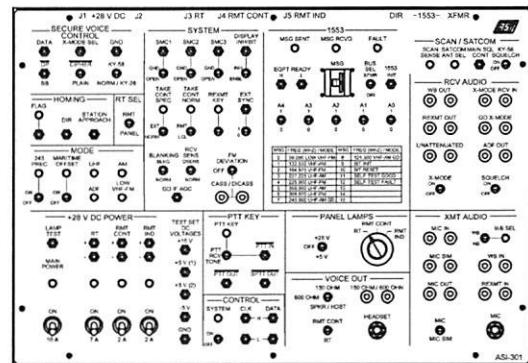
The ASI-301 works in conjunction with standard test equipment to provide manual intermediate and operational level maintenance for the Collins AN/ARC-182(V) UHF/VHF Communications System.

The ASI-301 test set is used for testing AN/ARC-182(V) units in all operational modes including SCAN/SATCOM series, CASS/DICASS, and embedded HAVE QUICK units. The test set includes several built-in MIL-STD-1553B messages, as well as test points, indicators, and switches to measure and monitor all major functions. It operates from 28 VDC power supply and supplies power to the units under test.

The test set includes a microphone and eight cables required for interconnection of the receiver-transmitter, remote control, and indicator.

Optional Equipment:

ASI MN	OEM PN	Description
ASI-30-1K	NPN	Microphone Simulator



Equipment Supplied:

ASI MN	OEM PN	Description
ASI-30-1A	751-1767-001	Cable, Receiver-Transmitter (W1)
ASI-30-1B	751-1767-002	Cable, Remote Control (W2)
ASI-30-1C	751-1767-003	Cable, Remote Indicator (W3)
ASI-30-1D	751-1766-001	Cable, 1553 DIR (W4)
ASI-30-1E	751-1766-002	Cable, 1553 XMFR (W5)
ASI-30-1F	751-1765-001	Cable, 28 VDC Power (W6)
ASI-30-1G	751-1762-001	Cable, RF (W7)
ASI-30-1H	751-8272-001	Cable, Remote Control (W8)
ASI-30-1J	217-0166-010	Microphone

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