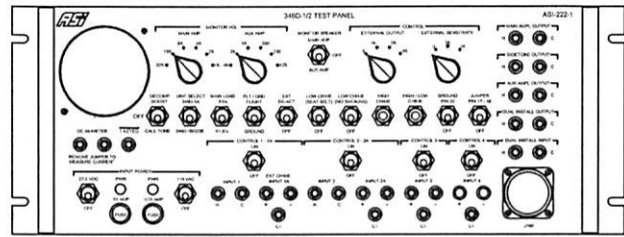


Passenger Address Amplifier Test Panel

ASI-222-1

OEM Equivalent: Rockwell Collins MN: NMN PN: NPN Manual: 523-0768492 Manual Figure: 902-907	UUT: 346D-1A / 346D-1B 346D-2 / 346D-2B Size: H: 5.25" W: 19.00" D: 6.00" Pwr: 28 VDC / 115 VAC 400 Hz
---	---

Description:
The ASI-222-1 Passenger Address Amplifier Test Panel functions to test, repair, and align the Collins 346D-1A, 346D-1B, 346D-2, and 346D-2B. The Test Panel includes the Monitor Speaker Panel functions along with the main amplifier, auxiliary amplifier, and sidetone loads. The cable required to test the 346D-1A/1B/2/2B is included with the test panel.



Equipment Supplied:	ASI MN	OEM PN	Description
	ASI-22-2A	NPN	Cable, ASI-222-1 to 346D-1A/1B/2/2B

Optional Equipment:	ASI MN	OEM PN	Description
	ASI-227	024-0458-000	Precision Trimmer/Capacitor Adjustment Tool
	ASI-228	024-0817-000	Precision Potentiometer Adjustment Tool
	ASI-720	NPN	26 dB L-Pad Attenuator (346D-2/2B Man Fig 908)

Zifor III VOR Radial Standard

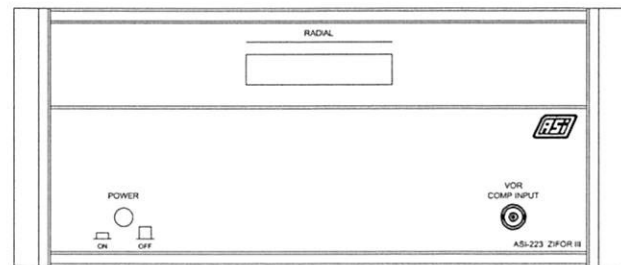
ASI-223

OEM Equivalent: Rockwell Collins MN: 478A-3 PN: 622-3701-001 Manual: 523-0768823 Manual Figure: 1	UUT: Various Size: H: 5.50" W: 12.00" D: 16.50" Pwr: 115/230 VAC 50-60 Hz
---	---

Description:
The ASI-223 Zifor III (Zero Indicator For OmniRange) is intended to be a VOR radial standard providing the measurement capability and tractability link between the reference standard and operational test equipment. The ASI-223 may be used to check the audio output of any VOR audio generators such as the Collins 479S-5/6() or the Bendix RVG-33.

The ASI-223 Zifor III demodulates and extracts bearing information from a VOR audio signal generator and displays the zero radial information to an accuracy of $\pm 0.01^\circ$. The ASI-223 also displays radial bearing run out error to within $\pm 0.01^\circ$ at any radial from 0.00 to 359.99°. Input signal status and automatic self-test information are also displayed. The ASI-223 Zifor III acts as a precise phase meter, measuring the phase relationship of the 30 Hz reference tone (which has been stripped from the 9960 Hz FM subcarrier) to the 30 Hz variable signal. The amplitude of the 30 Hz variable signal is also monitored to ensure that the input tones are within proper levels.

An RF Detector/Amplifier Module (ASI-22-3A1) is available as an option for testing VOR Signal Generators. The ASI-22-3A1 receives the RF input from a signal generator and filters out the VOR composite signals utilized by the ASI-223. The ASI-22-3A1 can be used externally on the bench or installed in the ASI-223, 478A-3, or 78A-3.



Equipment Supplied:	ASI MN	OEM PN	Description
---------------------	--------	--------	-------------

Optional Equipment:	ASI MN	OEM PN	Description
	ASI-22-3A1	01-0817-00	RF Detector/Amplifier Module

TACAN Test Panel

ASI-224

OEM Equivalent: Rockwell Collins MN: 972V-1 PN: 622-1789-001 Manual: 523-0768823 Manual Figure: 1	UUT: AN/ARN-118(V) / TCN-118 AN/ARN-139(V) Size: H: 14.12" W: 20.87" D: 20.87" Pwr: 115 VAC 400 Hz
---	---

Description:
ASI-224 TACAN Test Panel is used in conjunction with a TACAN station simulator to test the various components of the Rockwell Collins TCN-118, AN/ARN-118(V), and AN/ARN-139(V) Airborne TACAN systems.

The ASI-224 includes the Control/Display Unit, Interconnect Panel, Fault Isolation Unit, Extender Card and 7 Interconnect Cables.

The optional ASI-226 Interface Panel is required for testing the AN/ARN-139(V) system components.

Equipment Supplied:	ASI MN	OEM PN	Description
	ASI-22-4A	621-8134-001	Cable, ASI-224 to Control (W1)
	ASI-22-4B	621-8132-001	Cable, ASI-224 to RT (W2)
	ASI-22-4C	621-8133-001	Cable, ASI-224 to TACAN Adapter (W3)
	ASI-22-4D	621-8164-001	Cable, ASI-224 to Ext AQU-2/A / AQU-4/A (W4)
	ASI-22-4E	621-8135-002	Cable, ASI-224 to RT AGE (W5)
	ASI-22-4F	621-8143-001	Cable, ASI-224 to AC Power (W6)
	ASI-22-4G	621-8144-001	Cable, ASI-224 to Int AQU-2/A / AQU-4/A (W7)
	ASI-224-1	629-0973-001	Interconnect Panel (255H-1)
	ASI-224-2	622-1931-002	Control Display Unit (514M-1)
	ASI-224-3	621-8100-002	Fault Isolation Unit
	ASI-8938-001	618-8938-001	Extender Card

TACAN System Components Tested on the ASI-224:
AN/ARN-118(V) / TCN-118
RT-1159/A / RT-1384/A / 374D-1 / 374D-2
C10056/A / C10057/A / C10058/A / C10059/A / C10060/A / C10061/A / C10062/A
C10782/A / C11840/A / C9603/A / 377J-1 / 377J-2 / 913G-1/-2/-3/-4
MX9577/A / MX11499/A / 899L-1
MX10070/A / MX10384/A / 998J-1

AN/ARN-139(V) (Requires optional ASI-226 Interface Panel)

RT-1385/A / 374D-3
C10994/A / 377J-3
MX-9577/A / MX11499/A / 899L-1
MX10191/A / 998M-1
AS-3508/A / 938J-1

Optional Equipment:	ASI MN	OEM PN	Description
	ASI-22-6A	NPN	Cable, ASI-224 to 331A-8H (42")
	ASI-22-6A1	629-9202-001	Cable, ASI-224 to 331A-8H (8")
	ASI-22-6A2	629-9202-002	Cable, ASI-224 to 331A-8H (48")
	ASI-22-6B	NPN	Cable, ASI-224 to AQU-6/A
	ASI-22-6C	NPN	Cable, ASI-224 to 339D-1 / ID-250 / ID-1347
	ASI-22-6D	NPN	Cable, ASI-224 to ID-1103 / ID-387
	ASI-224-4	622-1930-001	Interconnect Panel with W1/2/3/6 (255H-1)
	ASI-225	NPN	Interface Panel, ASI-224 to 899L-1
	ASI-225-1	NPN	Alignment Fixture for 899L-1 / 998J-1
	ASI-225-2	NPN	DC Supply Interface Fixture for 374D-1/2
	ASI-225-3	NPN	AGE Breakout Box for 374D-1/2
	ASI-226	622-7082-001	Interface Panel for AN/ARM-139(V) (514M-2)
	ASI-227	024-0458-000	Tuning Tool
	ASI-9305-118	629-9305-001	Maintenance Kit for TCN-118 / AN/ARM-118(V)