

GPW System Test Panel

ASI-422

OEM Equivalent:

OEM: Bendix
Model Number: CPT-83A
Part Number: 2041065-8301
Manual: I.B. 1183F / 34-46-07
Manual Figure: 1

This unit is manufactured to replace the OEM MN, PN, and/or manual figure listed in Form, Fit, and Function.

Description:

The ASI-422 Ground Proximity Warning System Test Panel is designed to facilitate testing and troubleshooting of the Bendix CPA-83A Computer and the PRA-83 Pressure Rate Sensor. When combined with standard commercial test equipment it provides all necessary test facilities for proper maintenance and calibration of the GPW-83 Ground Proximity Warning System.

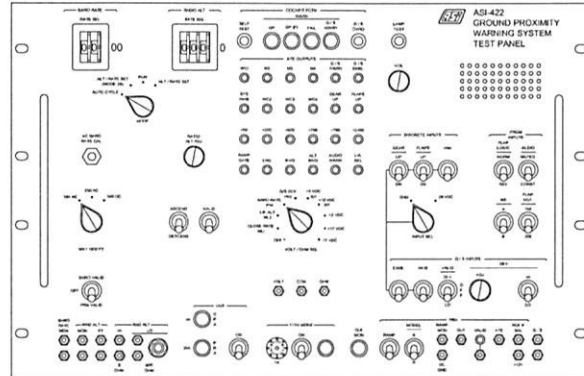
The ASI-422 simulates an aircraft flight path at any altitude below 2600 feet. the test panel provides warning indicators that monitor the five modes of operation of the CPA-83A:

1. Excessive sink-rate with respect to terrain.
2. Excessive terrain closure rate.
3. Descent after take off.
4. Insufficient clearance, not in landing configuration.
5. Deviation below glide path.

Additional circuits, warning indicators, and an internal speaker monitor the visual and aural outputs of the CPA-83A.

The ASI-422 also provides primary power and altitude information to allow for functional testing of the PRA-83A/B.

The ASI-422 includes two cables required for proper operation.



Units Tested:

GPW-83 Ground Proximity Warning System
CPA-83A
PRA-83A
PRA-83B

Specifications:

Height: 12.25" Width: 19.00" Depth: 13.25"
Power Requirements: 115 VAC 400 Hz

Equipment Supplied:

ASI MN	OEM PN	Description
ASI-42-2A	NPN	Cable, ASI-422 to CPA-83A (W101)
ASI-42-2B	NPN	Cable, ASI-422 to PRA-83A/B (W102)

Optional Equipment:

ASI MN	OEM PN	Description
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AIU Test Panel

ASI-423-1

OEM Equivalent:

OEM: Bendix
Model Number: IUT-1SB
Part Number: 3614367-0101
Manual: I.B. 1103GT / 34-41-07 / TO 33D7-50-716-2
Manual Figure: 1

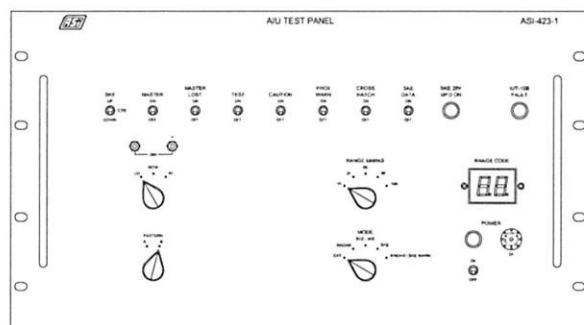
This unit is manufactured to replace the OEM MN, PN, and/or manual figure listed in Form, Fit, and Function.

Description:

The ASI-423-1 Test Panel is designed to facilitate testing, alignment, and troubleshooting of the Bendix IUA-1SB Auxiliary Interface Unit (AIU) which is part of the airborne Station Keeping Equipment (SKE).

The ASI-423-1 provides the capability to fully function test the IUA-1SB. The test set uses the IP-1374/APS-133(V) Radar Indicator (PPI-1TB) and appropriate test equipment when testing the AIU. It provides power to the AIU and test indicator, and simulates aircraft SKE input to the AIU.

The ASI-423-1 includes four test cables required for operation.



Units Tested:

IUA-1SB

Specifications:

Height: 10.50" Width: 19.00" Depth: 15.00"
Power Requirements: 115 VAC 400 Hz

Equipment Supplied:

ASI MN	OEM PN	Description
ASI-42-31A	2040661-0501	Cable, ASI-423 to IUT-1TB (W4)
ASI-42-31B	2040662-0501	Cable, ASI-423 to IUA-1SB (W6)
ASI-42-31C	2040663-0501	Cable, ASI-423 to IUA-1SB (W7)
ASI-42-31D	2040840-0501	Cable, ASI-423 to PPI-1TB (W8)

Optional Equipment:

ASI MN	OEM PN	Description
ASI-154-2	2041349-0102	Radar System Test Panel (RCT-1FB)
ASI-244-1	2041350-0101	Radar Indicator Test Panel (PPT-1FB)
ASI-423-2	3614662-0101	Control Test Panel (IUT-1MB)

R2