

## Radar Antenna Simulator Test Panel

ASI-770

### OEM Equivalent:

OEM: Bendix  
Model Number: AST-4A  
Part Number: 2041886-0401  
Manual: I.B. 1104FT / 34-41-60  
Manual Figure: 1

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

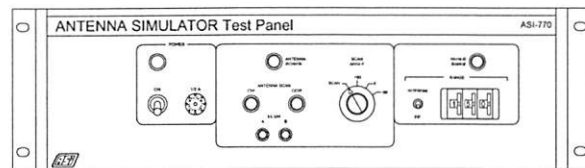
### Description:

The ASI-770 Radar Antenna Simulator Test Panel replaces the Bendix DAA-4A Antenna Drive Unit in the RDR-4A Radar System test environment.

The ASI-770 simulates the motor load, mechanical response, and synchro outputs of the antenna drive unit. It responds to elevation and scan drive signals, originating at the RTA-4A Receiver-Transmitter, by feeding back simulated synchro output signals that are representative of the antenna azimuth and elevation motors.

The Test Panel also has the capability of simulating all valid ranges the RTA-4A responds to, as well as the invalid ranges which the RTA-4A does not respond to. A warning light on the front of the panel comes on when an invalid range is selected at the ASI-770.

The ASI-770 is supplied with two cables required for interface and proper operation.



### Units Tested:

RDR-4A Weather Radar System  
RTA-4A

### Specifications:

Height: 5.25" Width: 19.00" Depth: 13.00"  
Power Requirements: 115 VAC 400 Hz

### Equipment Supplied:

ASI MN	OEM PN	Description
ASI-77-0A	2040331-0501	Cable, ASI-770 to ASI-742 / RCT-4A (W101)
ASI-77-0B	2040020-0501	Cable, ASI-770 PWR (W108)

### Optional Equipment:

ASI MN	OEM PN	Description
ASI-742	2041589-0401	Radar System Test Panel (RCT-4A)

## Radar Antenna Test Panel

ASI-771

### OEM Equivalent:

OEM: Bendix  
Model Number: ATT-4A  
Part Number: 2041592-0401  
Manual: I.B. 1104CT / 34-41-57  
Manual Figure: 1

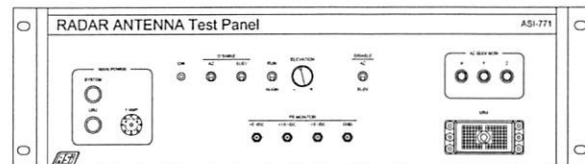
This unit is manufactured to replace the OEM MN, PN, and/or manual figure listed in Form, Fit, and Function.

### Description:

The ASI-771 Radar Antenna Test Panel facilitates alignment, testing, and troubleshooting of the Bendix DAA-4A Drive Unit / REA-4( ) Planer Array Radar Antenna.

The ASI-771 contains circuitry to convert the azimuth synchro transmitter input of the DAA-4A / REA-4( ) and DAA-4B Radar Antenna into a DC signal which varies with the changing position at the antenna. This DC signal is further processed to control the azimuth drive of the radar antenna through a limited azimuth scan (approx. 120°). The ASI-771 also has the ability to vary the elevation of the antenna in tilt up or tilt down.

The ASI-771 is supplied with four cables required for interface and proper operation.



### Units Tested:

DAA-4A  
DAA-4B  
REA-4( )

### Specifications:

Height: 5.25" Width: 19.00" Depth: 13.00"  
Power Requirements: 115 VAC 400 Hz

### Equipment Supplied:

ASI MN	OEM PN	Description
ASI-77-1A	2040083-0501	Cable: ASI-771 to DAA-4A (W1)
ASI-77-1B	2040082-0501	Cable: ASI-771 to API (W2)
ASI-77-1C	2040981-0501	Cable: ASI-771 to DAA-4B (W3)
ASI-77-1D	2040020-0501	Cable: ASI-771 PWR (W8)

### Optional Equipment:

ASI MN	OEM PN	Description
ASI-77-1E	649-0970-001/2	DAA-4A Dummy Antenna Weight
ASI-742	2041589-0401	Radar System Test Panel (RCT-4A)
ASI-760	2041591-0401	Radar Indicator Test Panel (PPT-4A)
ASI-169-2	2041793-0401	Radar Test Set (RST-4A)
ASI-252-2	2041593-0401	Radar Control Test Panel (COT-4A)

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