

## Radar Indicator Test Panel

ASI-173

### OEM Equivalent:

OEM: Bendix  
Model Number: PPT-1A  
Part Number: 2037738-0501  
Manual: I.B. 1101PT  
Manual Figure: 1

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

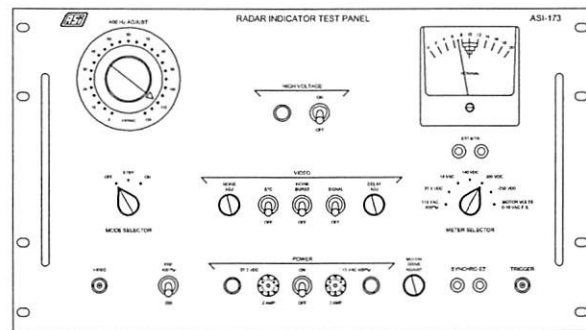
### Description:

The ASI-173 Radar Indicator Test Panel facilitates bench testing, alignment, and troubleshooting of the Bendix PPI-1D, PPI-1E-2, PPI-1G, and PPI-1GT Radar Indicators. The test panel is intended to provide a centralized means of conveniently and accurately determining equipment performance with a minimum amount of ancillary test equipment.

The Radar Indicator Test Panel contains circuitry for applying a variety of video signals to the PPI-1( ). These include video pulses, system noise, noise bursts, and noise with STC action. Front panel controls facilitate the performance of numerous tests to evaluate the operation of the PPI-1( ).

The ASI-173 contains the power supply and wave form generator used in a typical RDR-1E Receiver-Transmitter unit. The power supply provides 17.5, 50, 140, 300, and -250 vdc. The 18 vac reference phase voltage and variable control voltage to the drive motor are also generated by the test panel. The wave form generator emits trigger pulses at 200 and 400 Hz and provides the necessary gate voltage for producing noise bursts.

The ASI-173 includes two test cables required for proper operation.



### Units Tested:

PPI-1D  
PPI-1E-2  
PPI-1G  
PPI-1GT

### Specifications:

Height: 10.50" Width: 19.00" Depth: 12.75"  
Power Requirements: 115 VAC 400 Hz / 27.5 VDC

### Equipment Supplied:

ASI MN	OEM PN	Description
ASI-17-3A	NPN	Cable, ASI-173 to PPI-1( ) (W1)
ASI-17-3B	NPN	Cable, ASI-173 PWR (W2)

### Optional Equipment:

ASI MN	OEM PN	Description
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## Radar Indicator Test Panel

ASI-174

### OEM Equivalent:

OEM: Bendix  
Model Number: PPT-1B  
Part Number: 2038141-0501  
Manual: I.B. 1102DT / 34-42-54  
Manual Figure: 1

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

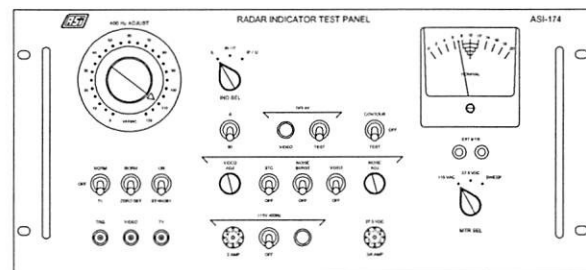
### Description:

The ASI-174 Radar Indicator Test Panel provides a convenient, self-contained means for testing, alignment, and troubleshooting the Bendix PPI-1L, PPI-1N, PPI-1P, PPI-1T, and PPI-1U Weather Radar Indicators.

The ASI-174 contains power supply, wave form generator, and azimuth circuitry thus eliminating the need for other system components. Front panel controls facilitate the performance of numerous tests to evaluate the proper operation of the PPI-1( ).

When used in conjunction with the ASI-743 (AIT-4A) TCAS PPT Adapter Test Panel the ASI-174 has the capability to test TCAS modified PPI-1T and PPI-1U Indicators.

The ASI-174 includes three test cables required for proper operation.



### Units Tested:

PPI-1L  
PPI-1N  
PPI-1P  
PPI-1T  
PPI-1U

### Specifications:

Height: 8.75" Width: 19.00" Depth: 9.00"  
Power Requirements: 115 VAC 400 Hz

### Equipment Supplied:

ASI MN	OEM PN	Description
ASI-17-4A	2038283-0501	Cable: ASI-174 PWR (W101)
ASI-17-4B	2038284-0501	Cable: ASI-174 to PPI-1L-1N-1T (W102)
ASI-17-4C	2038816-0501	Cable: ASI-174 to PPI-1P-1U (W103)

### Optional Equipment:

ASI MN	OEM PN	Description
ASI-197	2041323-0101	Radar Test Pattern Generator (PPT-1CG)
ASI-198	2039597-0501	Radar Test Pattern Generator Adapter
ASI-743	8074503-0401	TCAS PPT Adapter Test Panel (AIT-4A)
ASI-76-OC	NPN	Power Supply Load for PPI-1T-1U-4B