

# Radar Test Pattern Generator

ASI-197

## OEM Equivalent:

OEM: Bendix  
Model Number: PPT-1CG  
Part Number: 2041323-0101  
Manual: I.B. 1102FT / 34-41-56  
Manual Figure: 1

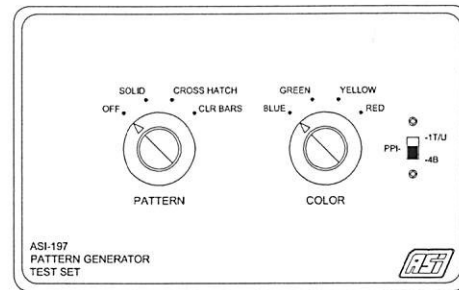
This unit is manufactured to replace the OEM MN, PN, and/or manual figure listed in Form, Fit, and Function.

## Description:

The ASI-197 Radar Test Pattern Generator provides test patterns and color select signals required during testing of the PPI-1T, PPI-1U, and PPI-4B Radar Indicators. Testing of the PPI-1U requires the optional ASI-198 Radar Test Pattern Generator Adapter.

The ASI-197 generates crosshatch, color bars and solid color pattern test signals. The crosshatch and solid patterns can be displayed in any of four colors (Blue, Green, Yellow, Red). The color bar pattern displays all four colors simultaneously.

The ASI-197 also includes Mod 3 which allows testing of TCAS modified PPI-( ) Radar Indicators.



## Units Tested:

PPI-1T  
PPI-1U  
PPI-1U(C)  
PPI-4B

## Specifications:

Height: 4.50"      Width: 7.25"      Depth: 2.00"  
Power Requirements: From UUT

## Equipment Supplied:

| ASI MN    | OEM PN | Description                     |
|-----------|--------|---------------------------------|
| ASI-19-7A | NPN    | Inline Test Connector, PPI-1( ) |
| ASI-19-7B | NPN    | Inline Test Connector, PPI-4B   |

## Optional Equipment:

| ASI MN  | OEM PN       | Description                          |
|---------|--------------|--------------------------------------|
| ASI-174 | 2038141-0501 | Radar Indicator Test Panel (PPT-1B)  |
| ASI-198 | 2039597-0501 | Radar Test Pattern Generator Adapter |
| ASI-742 | 2041589-0401 | Radar System Test Panel (RCT-4A)     |
| ASI-760 | 2041591-0401 | Radar Indicator Test Panel (PPT-4A)  |

# Radar Test Pattern Generator Adapter

ASI-198

## OEM Equivalent:

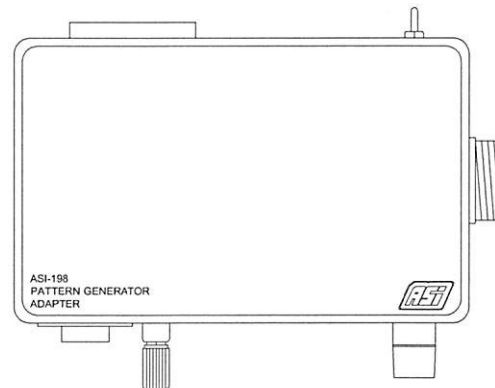
OEM: Bendix  
Model Number:  
Part Number: 2039597-0501  
Manual: I.B. 1101U / 34-41-23  
Manual Figure: 903.1 - 903.2 (TR34-27)

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

## Description:

The ASI-198 Radar Test Pattern Generator Adapter interconnects the ASI-197 (PPT-1CG) Radar Test Pattern Generator to the Bendix PPI-1U Radar Indicator during testing.

The ASI-197 interfaces the ASI-197 (PPT-1CG) to the checklist connector (J5103) of the PPI-1U Weather Radar Indicator. The Adapter also interfaces the checklist connector to standard ARINC control format for indicators equipped with a built-in control.



## Units Tested:

PPI-1U

## Specifications:

Height: 4.50"      Width: 7.25"      Depth: 2.00"  
Power Requirements: 28 VDC

## Equipment Supplied:

| ASI MN | OEM PN | Description |
|--------|--------|-------------|
|--------|--------|-------------|

## Optional Equipment:

| ASI MN  | OEM PN       | Description                            |
|---------|--------------|----------------------------------------|
| ASI-174 | 2038141-0501 | Radar Indicator Test Panel (PPT-1B)    |
| ASI-197 | 2041323-0101 | Radar Test pattern Generator (PPT-1CG) |