

Radar Altimeter Test Panel



ASI-199

OEM Equivalent:

OEM: Bendix
 Model Number: ALT-51A
 Part Number: 2037120-0501
 Manual: I.B. 1151AT-1 / 34-10-15
 Manual Figure: 1

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

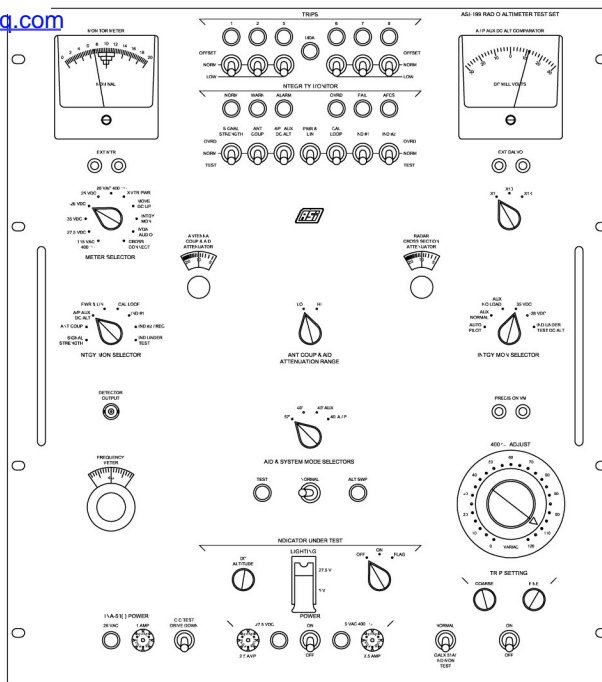
Description:

The ASI-199 Radio Altimeter Test Panel is designed to facilitate testing, adjustment, and troubleshooting of the Bendix ALA-51A Radio Altimeter and INA-51A/B/V Radio Altimeter Indicator.

The ASI-199 includes two main sections, a test panel (ASI-199-1) and a precision delay line (ASI-199-3). The ASI-199 includes all switching, metering, calibrated delays, attenuators, indicators and interconnecting cables required to operate and function test the ALA-51A Radio Altimeter System.

The Test Panel has provisions for connecting an INA-51 indicator under test in addition to connecting a test indicator to assist in the alignment and testing of the ALA-51A Radio Altimeter. Built in test features permit the servicing and calibration of indicators on the bench without the additional requirement of a known good ALA-51A Radio Altimeter.

The ASI-199 includes seven interconnecting test cables and two extender boards required testing for the ALA-51A and INA-51().



Equipment Supplied:

ASI MN	OEM PN	Description
ASI-199-1	2037120-0501	Test Panel
ASI-199-3	2068256-0701	Delay Line, 650 nS
ASI-19-9A	2037536-0501	Cable, ASI-199-1 to ALA-51A J1 (W101)
ASI-19-9B	2037533-0501	Cable, ASI-199-1 Power Input (W102)
ASI-19-9C	2037517-0501	Cable, ASI-199-1 to ALA-51 P1 (W103)
ASI-19-9D	2037535-0501	Cable, ASI-199-1 to INA-51 P1 (W104)
ASI-19-9E	2037554-0501	Cable, ASI-199-1 to INA-51 P1 (W105)
ASI-19-9G	2038137-0007	Cable, ASI-199-1 to ASI-199-3 (W112)
ASI-19-9H	2038137-0008	Cable, ASI-199-1 to ASI-199-3 (W114)
ASI-19-9I	2037075-0501	Extender Card, Narrow
ASI-19-9J	2037076-0502	Extender Card, Wide

Units Tested:

ALA-51A	INA-51B
INA-51A	INA-51V

Specifications:

Height: 21.00" Width: 19.00" Depth: 13.00"
 Power Requirements: 115 VAC 400 Hz / 27.5 VDC

Optional Equipment:

ASI MN	OEM PN	Description
ASI-175	2037028-5103	Portable Altimeter Test Set (AMT-51A)

ADF System Test Panel

ASI-202

OEM Equivalent:

OEM: Bendix
 Model Number: DFT-73AA
 Part Number: 2064943-0501
 Manual: I.B. 1073F
 Manual Figure: 1

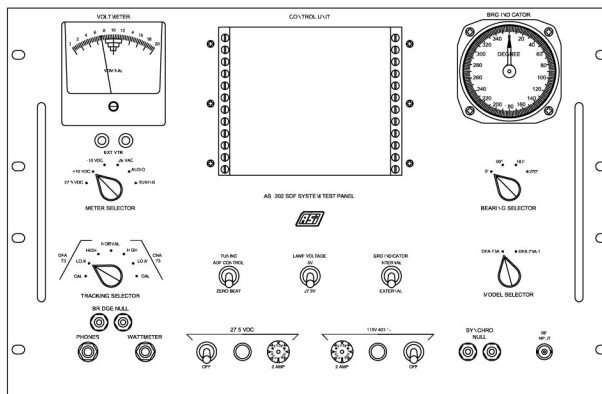
This unit is manufactured to replace the OEM MN, PN, and/or manual figure listed in Form Fit, and Function.

Description:

The ASI-202 ADF System Test Panel is designed to facilitate testing, alignment, and troubleshooting of the Bendix DFA-73, DFA-74 ADF Receivers, and the CNA-73 ADF Control.

The ASI-202 contains circuitry which simulates a loop antenna, a sense antenna, and an antenna coupler. This circuitry converts the input from a signal generator to simulate a signal at zero degrees relative bearing, causing the ADF Indicator to display a reading of zero degrees. Voltage division is provided by the simulating circuitry so that the RF input to the ADF Receiver can be read directly in microvolts per meter at the output of the RF signal generator.

A panel mounted ADF control (user supplied) provides functions not contained in the ASI-202 such as tuning, volume, function selection, band switching, manual loop control, and voice or cw selection. The ASI-202 comes equipped with an ADF Bearing Indicator and also includes three test cables (Loop, Sense, and UUT).



Units Tested:

DFA-73A	CNA-73A	CNA-73D
DFA-73A-1	CNA-73B/BB	CNA-73E
DFA-74A	CNA-73C/CB	CNA-73FB/FC/FD

Specifications:

Height: 12.25" Width: 19.00" Depth: 10.00"
 Power Requirements: 115 VAC 400 Hz / 27.5 VDC

Equipment Supplied:

ASI MN	OEM PN	Description
ASI-20-2A	2064756-0501	Cable, DFA-73/74 (W101)
ASI-20-2B	2065211-0501	Cable, Sense (W102)
ASI-20-2C	2064754-0501	Cable, Loop (W103)

Optional Equipment:

ASI MN	OEM PN	Description
ASI-20-2D	2065171-0501	Cable, CNA-73CB/FC/FD (W106)
ASI-20-2E	2065171-0502	Cable, CNA-73FB (W107)