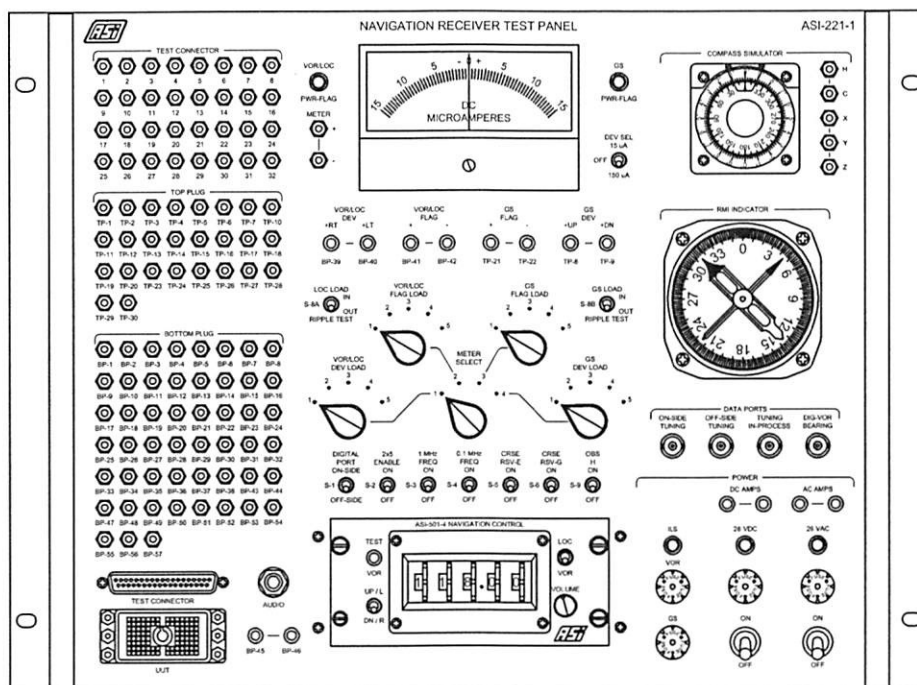




OEM Equivalent:

OEM: Collins
 Model Number: 968Y-1
 Part Number:
 Manual Figure: 523-0768547 / 51R-10/10() Fig. 902-905
 523-0767346 / 51RV-4()/5() Fig. 903-906

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

Units Tested:

ARINC 500 Series Navigation Receivers
 51R-10 / 51R-10A / 51R-10B
 51R-11 / 51R-11A / 51R-11B
 51RV-2 / 51RV-2B
 51RV-4 / 51RV-4B / 51RV-4D
 51RV-5 / 51RV-5B / 51RV-5D

Description:

The ASI-221-1 is a universal test panel for ARINC 500 series navigation receivers. The ASI-221-1 will test the Collins 51R/51RV series and most other ARINC 500 standard navigation receivers.

The ASI-221-1 includes the following features:

- * Compass Simulator for control of RMI compass card.
- * VOR-LOC/GS deviation/flag meter with multiple load switching.
- * Test Points for all pins in the UUT and Test connectors.
- * VOR-LOC/GS super flag output indicator lamps.
- * ILS indicator lamp to indicate ILS mode of operation.
- * Control unit (user supplied) for selecting frequency.
- * RMI (user supplied) indicates relative bearing.
- * Phone jack / test points for measuring VOR/LOC receiver audio.
- * UUT test cable (ASI-22-11A) for navigation receiver under test.
- * Two Test Conn. cables, 32P (ASI-22-11B) and 25P (ASI-22-11C).
- * Breakout Box/Adapter Cable functions added.
- * Data ports added for receivers with serial tuning option.
- * Data port added for receivers with digital bearing output option.

The ASI-221-1 includes a control head simulator (ASI-501-4). A 313N-3 (or equivalent) may also be used if desired. A user supplied RMI (332C-2, IN-16A, 2105, 2108, 36105, 36108 or equivalent) is required for proper operation.

A track selector is also required for testing. Adapter cables that mate the ASI-221-1 to the ASI-161, 479V-3 or ASI-190 are available. See the optional equipment section for more information.

Equipment Supplied:

ASI MN	OEM PN	Description
ASI-22-11A	NPN	Cable: ASI-221-1 to UUT
ASI-22-11B	NPN	Cable: ASI-221-1 to 32-Pin Test Conn.
ASI-22-11C	NPN	Cable: ASI-221-1 to 25-Pin Test Conn.
ASI-501-4	NPN	Nav Control Head Simulator

Optional Equipment:

ASI MN	OEM PN	Description
ASI-22-1E	NPN	Cable: ASI-221 to ASI-161 / 479V-3
ASI-22-1F	NPN	N1/N2 DC Source (51RV-4/5 Fig. 910-911)
ASI-22-1G	NPN	Synthesizer A18/A19 Extender Cable
ASI-161	522-1339-000	Precision Track Selector (479V-3)
ASI-280	NPN	CPU Test Set (51RV-4/5 Fig. 912-914)
ASI-0740-001	791-0740-001	Maintenance Kit: 51RV-2B
ASI-8048-001	791-8048-001	Slice Extender Kit: 51RV-2B

Specifications:

Height: 14.00" Width: 19.00" Depth: 10.00"
 Power Requirements: 115 VAC 400 Hz / 28 VDC