

ADF Antenna Simulator

ASI-192

OEM Equivalent:

OEM: Rockwell Collins
Model Number: 477U-2
Part Number: 522-2710-000
Manual: 523-0750000
Manual Figure:

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

Description:

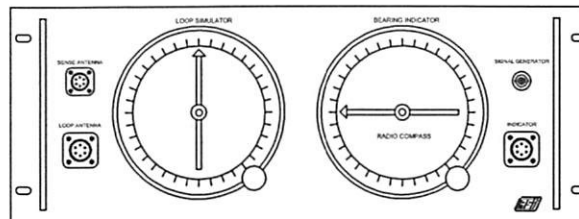
The ASI-192 ADF Antenna Simulator is used in conjunction with the ASI-192 (477V-2) for testing the Collins DF203/206 ADF Systems. The ASI-192 can also be used in conjunction with a Collins 477V-1 to test the DF-202G ADF system. The ASI-192 provides simulated loop and sense signals to the ADF receiver. Relative direction of the simulated signal is controlled by the front panel knob geared to a pointer on a 360° scale. Corresponding bearing from the receiver is displayed on the radio compass bearing indicator.

Units Tested:

DF-202G: 51Y-3, 179L-1, 614L-2, 440L-3
DF-203: 51Y-4/4A, 614L-8
DF-206: 51Y-7/7A, 614L-11/12/13

Specifications:

Height: 7.00" Width: 19.00" Depth: 6.00" Power: From ASI-193 / 477V-3



Equipment Supplied:

ASI MN	OEM PN	Description
ASI-19-2A	549-6540-003	Cable: Sense Antenna
ASI-19-2B	544-5037-002	Cable: Simulator RF Input
ASI-19-2C	549-6545-004	Cable: Loop Antenna

Optional Equipment:

ASI MN	OEM PN	Description
ASI-19-2D	554-6109-004	Low Capacitance Sense Antenna Adapter
ASI-184	792-6209-001	Fault Isolation Panel (477V-3)
ASI-193	522-2711-002	ADF Test Panel (477V-2)
ASI-233	NPN	RF Balance Adjustment Test Fixture
ASI-234	NPN	50 Ohm Probe
ASI-235	NPN	Special Solder Tip

ADF Test Panel

ASI-193

OEM Equivalent:

OEM: Rockwell Collins
Model Number: 477V-2
Part Number: 522-2711-002
Manual: 523-0751000
Manual Figure:

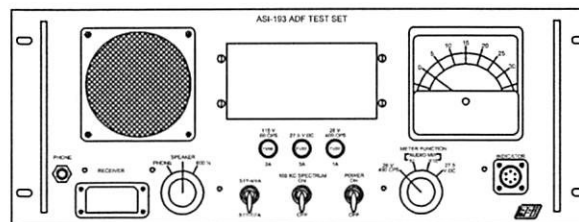
This unit is manufactured to replace the OEM MN, PN, and/or manual figure listed in Form, Fit, and Function.

Description:

The ASI-193 ADF Test Panel tests the Collins DF-203 and DF-206 ADF Systems. The ASI-193 provides interface between the system components, bench test equipment, and primary power for the test setup. The ASI-193 provides all of the interconnections between the system receiver, control unit, audio loads, audio output meter (part of the ASI-193), and external bearing indicator (ASI-192 / 477U-2). A 100 kHz spectrum oscillator is also provided in the test panel for dial accuracy measurements and calibration of the receiver frequency. Power voltages supplied by the ASI-193 for systems tests are 26 VAC 400 Hz and 28 VDC. The power supply provides for controlled wave form generation with minimum conduction of externally generated noise. The ASI-193 requires a user supplied 614L-8/11/12/13 control for proper operation.

Units Tested:

DF-203: 51Y-4/4A, 614L-8
DF-206: 51Y-7/7A, 614L-11/12/13



Specifications:

Height: 7.00" Width: 19.00" Depth: 9.0" Power: 115 VAC 60 Hz

Equipment Supplied:

ASI MN	OEM PN	Description
ASI-19-3A	549-6544-004	Cable: ASI-193 to Receiver
ASI-19-3B	549-6543-004	Cable: ASI-193 to Indicator
ASI-19-3C	426-5047-000	Cable: AC Power

Optional Equipment:

ASI MN	OEM PN	Description
ASI-184	792-6209-001	Fault Isolation Panel (477V-3)
ASI-192	522-2710-000	ADF Antenna Simulator (477U-2)

860F-1/4 Test Panel

ASI-194

OEM Equivalent:

OEM: Rockwell Collins
Model Number:
Part Number:
Manual: 523-0768499 / 523-0773759
Manual Figure: 902-906 / 903-907

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

Description:

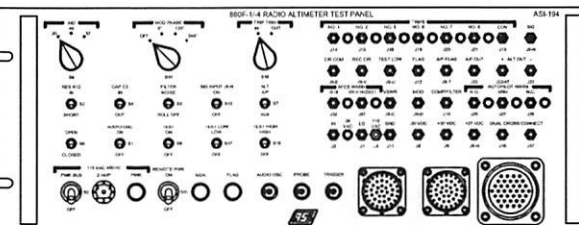
The ASI-194 Test Panel allows testing and alignment of the Collins 860F-1 / 860F-4 Radio Altimeters. The Test Panel includes the interconnect cables for the 860F-1/4 Main Connector (P1B), Test Connector (J9) and the 339H-(-) Indicator required during testing. The optional ASI-240-2 RF Cable Set is also required for testing. The ASI-194 has been remodeled into a 19" rack mount panel. For an equivalent bench top chassis design please see the ASI-237.

Units Tested:

860F-1 / 860F-4

Equipment Supplied:

ASI MN	OEM PN	Description
ASI-19-4A	NPN	Cable: ASI-194 To 860F-1/4 P1B
ASI-19-4B	NPN	Cable: ASI-194 To 860F-1/4 J9
ASI-19-4C	NPN	Cable: ASI-194 To 339H-(-)



Specifications:

Height: 7.00" Width: 19.00" Depth: 6.00" Power: 28 VDC

Optional Equipment:

ASI MN	OEM PN	Description
ASI-19-4D	NPN	15 Pin Extender Cable
ASI-164	NPN	Radio Altimeter Indicator Test Panel
ASI-203	522-4610-004	Ramp Test Set for 860F-1/4 (980N-1)
ASI-237	NPN	860F-1/4 Bench Top Style Test Fixture
ASI-238	NPN	Transmitter Alignment Tool
ASI-239	635-6254-001	Special Coaxial Wrench
ASI-240	NPN	RF Cable Set (Two 15 Ft RG-214/U Cables)
ASI-241	622-6100-001	Microprocessor Test Adapter (MST-901)
ASI-719	NPN	Pulse Generator Test Box