

Universal Flight Control Test Panel

ASI-282

OEM Equivalent: Rockwell Collins
MN: 980L-1A
PN: 622-0846-001
Manual: 523-0764269
Manual Figure: 1

UUT: Collins Flight Director Systems
Collins Autopilot Systems
Size: H: 21.00" W: 19.00" D: 10.75"
Pwr: 28 VDC / 115 VAC 60Hz & 400Hz

Description:

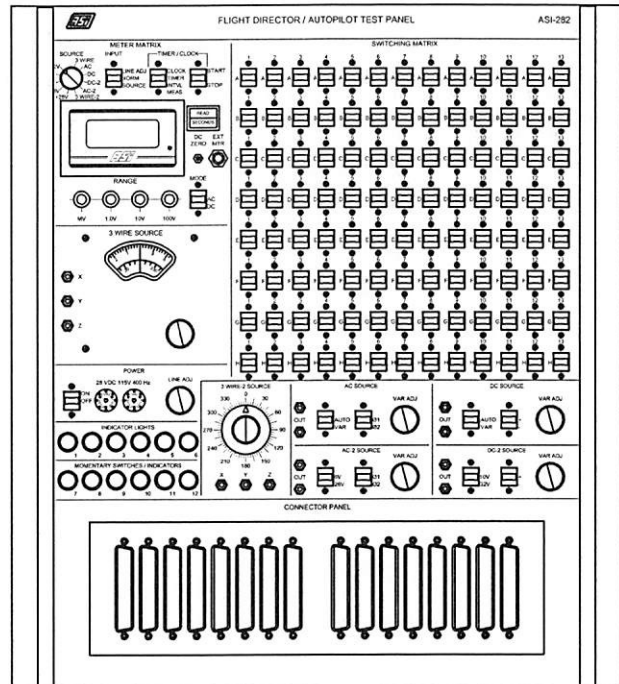
The ASI-282 Universal Flight Control Test Panel is used to test various components of the Collins Flight Control Systems. The Test Panel includes AC, DC, and 3-wire power sources, meter circuitry, indicator lights and a switching matrix that interconnects points in the test panel and the uut as required during testing. The connector panel at the bottom of the ASI-282 accommodates the ASI-40Y-() / 440Y-() Plug-In Adapters that interface the ASI-282 to the individual unit under test.

The ASI-40Y-() plug-In Adapters contain the proper loads and relays for specific flight control system components. These Plug-In Adapters are required for proper operation of the ASI-282. All original Collins 440Y-() adapters will also function in the ASI-282. Please consult the ASI-40Y-() listing below for further information concerning the ASI-40Y-() adapters.

Avionics Specialist, Inc. also offers panel meter retrofit kits that will replace malfunctioning meters in the original Collins 980L-1 and 980L-1A Test Panels. The ASI-980L-1MM includes all parts required to replace meter M1 (458-0609-010) in the 980L-1 Test Panel. The 980L-1 must have service bulletin 6 installed in order for the ASI-980L-1MM function properly. The ASI-282-M1K includes all parts required to replace meter M301 (279-0194-010) in the 980L-1A per Collins service bulletin 3.

Optional Equipment:

ASI MN	OEM PN	Description
ASI-28-2A	NPN	BOX 1 Breakout Box (980L-1A Man. Fig. 20)
ASI-28-2B	NPN	PWR INTLK Shorting Conn (980L-1A Man. Fig. 21)
ASI-28-2C	NPN	BOX 2 Continuity Tester (980L-1A Man. Fig. 22)
ASI-282-M1K	NPN	980L-1A Meter Retrofit Kit
ASI-980L-1MM	NPN	980L-1 Meter Retrofit Kit



980L-1/1A Plug-In Adapters

ASI-40Y-()

The ASI-40Y-() Adapters are interchangeable in Form, Fit, and Function with the Collins 440Y-() Adapters and will operate properly with the 980L-1, 980L-1A or ASI-282. The ASI-40Y-67A, ASI-40Y-68A, ASI-40Y-69A, and ASI-40Y-76 will only operate properly when used with a 980L-1A or ASI-282.

ASI MN	OEM MN	OEM PN	OEM Manual	Description
ASI-40Y-1	440Y-1	522-4606-001	523-0762663	Plug-In Adapter: 562C-4/4E
ASI-40Y-2	440Y-2	522-4607-001	523-0762195	Plug-In Adapter: 562A-5G
ASI-40Y-3	440Y-3	522-4609-001	523-0762966	Plug-In Adapter: 161A-1/1A/1B, 332G-2, 345A-4, 590A-3A/3D/3E, 590B-2, 614E-2F/2G/2G1
ASI-40Y-5	440Y-5	522-4899-001	523-0762323	Plug-In Adapter: 562A-5F/5F1/5F4/5F5
ASI-40Y-6	440Y-6	522-4900-001	523-0762710	Plug-In Adapter: 344C-1F/1G
ASI-40Y-7	440Y-7	522-4944-001	523-0762892	Plug-In Adapter: 161E-1
ASI-40Y-8	440Y-8	522-4957-001	523-0762015	Plug-In Adapter: 344C-1D
ASI-40Y-9	440Y-9	522-4958-001	523-0762021	Plug-In Adapter: 562P-1/1E1/1F, 562R-1/1E1/1F
ASI-40Y-11	440Y-11	522-4960-001	523-0762421	Plug-In Adapter: 161F-1/1A/1B, 345C-2A
ASI-40Y-12	440Y-12	522-4961-001	523-0762115	Plug-In Adapter: 54W-1/1B/1C/1D/1E/1F
ASI-40Y-13	440Y-13	522-4962-001	523-0762644	Plug-In Adapter: 614E-7()/8B/9B/9C/9E/9G/10()/11/11A
ASI-40Y-14	440Y-14	522-4963-001	523-0761895	Plug-In Adapter: 344C-1E/1K
ASI-40Y-15	440Y-15	522-4964-001	523-0761690	Plug-In Adapter: 562A-5M/5M5
ASI-40Y-16	440Y-16	777-1035-001	523-0762185	Plug-In Adapter: 562C-4A
ASI-40Y-17	440Y-17	777-1036-001	523-0762186	Plug-In Adapter: 590A-5, 614E-4/4B
ASI-40Y-19	440Y-19	777-1038-001	523-0762967	Plug-In Adapter: 331A-8G/8H, 614E-22/22B
ASI-40Y-20	440Y-20	777-1039-001	523-0761689	Plug-In Adapter: 161E-2, 614E-20/20A/20D/20E/20J/20K/23
ASI-40Y-23	440Y-23	777-1042-001	523-0762422	Plug-In Adapter: 331A-8A/8D/8K, 331A-9G*, HSI-45* (*Requires ASI-40Y-23AB Adapter Box)
ASI-40Y-24	440Y-24	777-1043-001	523-0762718	Plug-In Adapter: 54W-3/3A/3B
ASI-40Y-25	440Y-25	777-1044-001	523-0762890	Plug-In Adapter: 323A-1, 328A-5, 332C-8, 332E-5
ASI-40Y-27	440Y-27	787-6073-001	523-0763266	Plug-In Adapter: 562C-3E
ASI-40Y-30	440Y-30	787-6139-001	523-0764622	Plug-In Adapter: 161E-6
ASI-40Y-31	440Y-31	787-6140-001	523-0764623	Plug-In Adapter: 614E-4C/27/36
ASI-40Y-33	440Y-33	787-6142-001	523-0762424	Plug-In Adapter: 329B-8J/8V/8Y/9A
ASI-40Y-34	440Y-34	787-6143-001	523-0762423	Plug-In Adapter: 54W-4
ASI-40Y-35	440Y-35	787-6144-001	523-0763277	Plug-In Adapter: 161E-7B
ASI-40Y-36	440Y-36	787-6810-001	523-0762221	Plug-In Adapter: 329B-8G
ASI-40Y-38	440Y-38	792-6383-001	523-0763596	Plug-In Adapter: 562C-5/8A/8B, 614E-5A/5C
ASI-40Y-39	440Y-39	792-6384-001	523-0763417	Plug-In Adapter: 161E-2A, 614E-20G/20H/20I/23E/23G
ASI-40Y-43	440Y-43	792-6889-001	523-0763159	Plug-In Adapter: 329B-8L/8R/8U/8Z
ASI-40Y-67A	440Y-67A	622-4086-001	523-0771658	Plug-In Adapter: FGC-80(), FGP-80(), FGP-81(), NAC-80
ASI-40Y-68A	440Y-68A	622-4087-001	523-0771658	Plug-In Adapter: APC-80(), APP-80()
ASI-40Y-69A	440Y-69A	622-4088-001	523-0771658	Plug-In Adapter: APA-80(), SVO-80()
ASI-40Y-76	440Y-76	622-6315-001	523-0773297	Plug-In Adapter: APS-65, APC-65, FGC-65

Optional Equipment:

ASI MN	OEM PN	Description
ASI-165	622-5330-001	Synchro Source Panel
ASI-167	522-0167-001	Synchro Simulator Panel
ASI-176A	NPN	DME Indicator Test Set
ASI-282	622-0846-001	Flight Control Test Panel
ASI-40Y-11-1	797-7008-001	Positioning Fixture: 345C-2A
ASI-40Y-23AB	NPN	Adapter Box: 331A-9G / HSI-45
ASI-40Y-67A-1	NPN	Diode Tester: FGP-80
ASI-40Y-67A-2	NPN	Test Expediter: FGC-80

Optional Equipment:

ASI MN	OEM PN	Description
ASI-40Y-76-1	NPN	Servo Emulator: APC-65/FGC-65
ASI-40Y-76-2	NPN	Servo Angle Indicator: APC-65/FGC-65
ASI-40Y-76-3	NPN	Front Circuit Card Extender: APC-65/FGC-65
ASI-40Y-76-4	NPN	Rear 36 Pin Circuit Card Extender: APC-65/FGC-65
ASI-40Y-76-5	NPN	Rear 30 Pin Circuit Card Extender: APC-65/FGC-65
ASI-40Y-76-6	NPN	Rear 26 Pin Circuit Card Extender: APC-65/FGC-65
ASI-40Y-76-7	NPN	EFIS Bus Cable: APC-65/FGC-65 (Pro Line II Card)
ASI-40Y-76-8	NPN	Trim Interface Panel: APC-65/FGC-65

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