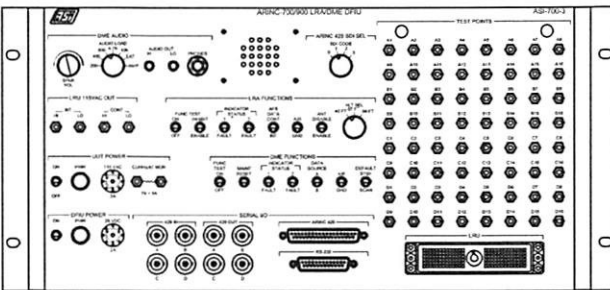


DME/LRA Discrete Function Interface Unit

ASI-700-3



Description:

The ASI-700-3 Discrete Function Interface Unit (DFIU) is functionally equivalent to the T1203 and is designed to test the Rockwell Collins ARINC 700/900 series of DME and Radio Altimeter Line Replaceable Units (LRU).

The ASI-700-3 works in conjunction with an ARINC 429/629 Data Bus Generator (T1200 or equivalent) to provide the LRU with all voltages, discretes, control inputs and outputs required for "by-the-book" testing per the maintenance manual.

The optional ASI-502 can be used as an DME/LRA ARINC 429 control head simulator (The ASI-502 will not take the place of the T1200). Accessory test cables, test point overlays, and various test fixtures are listed in the Optional Equipment Section.

Units Tested: DME-700 DME-900 LRA-700 LRA-900

Equipment Supplied:

ASI MN	OEM PN	Description
	HBL-5669C	AC Mating Connector
	HBL-7464V	DC Mating Connector

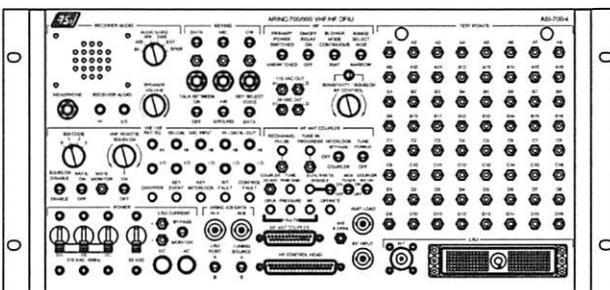
Optional Equipment:

ASI MN	OEM PN	Description
ASI-502	NPN	ARINC 429 Control Head Simulator
ASI-700-0XA	NPN	Cable: ASI-700-2/-3/-4 to T1200()
ASI-700-03A	NPN	Cable: DME-700 / DME-900
ASI-700-03A1	NPN	Test Point Overlay: DME-700
ASI-700-03A2	NPN	Test Point Overlay: DME-900
ASI-700-03B	NPN	Cable: LRA-700 / LRA-900
ASI-700-03B1	NPN	Test Point Overlay: LRA-700
ASI-700-03B2	NPN	Test Point Overlay: LRA-900
ASI-700-03C	NPN	Cable: ERT-530
ASI-700-03C1	NPN	Test Point Overlay: ERT-530
ASI-700-03D	NPN	LRA-900 RF Transmitter Tuning Tool
ASI-706	622-6103-001	Micro Test Adapter (MST-904)
ASI-707A	646-3781-001	DME-700/-900 A4 Alignment Cover
ASI-707B	646-3780-001	DME-700/-900 A3 Alignment Cover
ASI-707C	646-3759-001	DME-700/-900 A5 Alignment Cover
ASI-708	NPN	DME-700/-900 Suppressor Load
ASI-716	622-6104-001	Micro Test Adapter (MST-905)
ASI-717	NPN	LRA-700/-900 Altitude Simulator Fixture
ASI-718	647-5733-002	LRA-700/-900 RF Tuning Cover
ASI-719	NPN	LRA-700 Pulse Gen Test Box

Height: 8.75" Width: 19.00" Depth: 6.00" Power: 28 VDC/115 VAC 400 Hz

HF/VHF Discrete Function Interface Unit

ASI-700-4



Description:

The ASI-700-4 Discrete Function Interface Unit (DFIU) is functionally equivalent to the T1202 and is designed to test the Honeywell (Bendix) and Rockwell Collins ARINC 700/900 series of HF and VHF Line Replaceable Units (LRU). The ASI-700-4 also has the ability to test the Collins HF Antenna Couplers (490S-1 and CPL-920D).

The ASI-700-4 works in conjunction with an ARINC 429/629 Data Bus Generator (T1200 or equivalent) to provide the LRU with all voltages, discretes, control inputs, and outputs required for "by-the-book" testing per the maintenance manual. Testing of the Honeywell LRU's is done utilizing the Optional Test Procedures shown in the appendix of the LRU maintenance manual.

The optional ASI-502 can be used as an ARINC 429 control head simulator (The ASI-502 will not take the place of the T1200A). Optional test cables, test point overlays, and various test fixtures are listed in the Optional Equipment Section.

Units Tested:	VHF-700	HFS-700	490S-1	RTA-44A
	VHF-700A	HFS-900	628T-1	RTA-83A
	VHF-700B	HFS-700D	628T-2	
	VHF-900	HFS-900D	628T-2A	
	VHF-900B	CPL-920D	628T-2D	
	VHF-920			

Equipment Supplied:

ASI MN	OEM PN	Description
	HBL-5669C	AC Mating Connector
	HBL-7464V	DC Mating Connector

Height: 8.75" Width: 19.00" Depth: 6.00" Power: 28 VDC/115 VAC 400 Hz

Optional Equipment:

ASI MN	OEM PN	Description
ASI-502	NPN	ARINC 429 Control Head Simulator
ASI-700-0XA	NPN	Cable: ASI-700-2/-3/-4 to T1200()
ASI-700-04A	NPN	Cable: VHF-700/-700A/-700B / RTA-44A
ASI-700-04A1	NPN	Test Overlay: VHF-700/-700A/-700B
ASI-700-04A2	NPN	Test Overlay: RTA-44A
ASI-700-04B	NPN	Cable: HFS-700/-900 / 628T-2/-2A
ASI-700-04B1	NPN	Test Overlay: HFS-700/-900 / 628T-2/-2A
ASI-700-04C	NPN	ARINC-753 HF/DL Voice Interface Panel for 628T-2D / HFS-700D/-900D / CPL-920D
ASI-700-04C1	NPN	Cable: CPL-920D / 490S-1 J1
ASI-700-04D	NPN	Cable: VHF-900/900B (Test Overlay Not Req)
ASI-700-04E	NPN	Cable: 628T-1()
ASI-700-04E1	NPN	Test Overlay: 628T-1()
ASI-700-04G	NPN	Cable: 714E-1
ASI-700-04H	NPN	Cable: 714E-2
ASI-700-04J	NPN	Cable: 714E-3/6
ASI-700-04K	NPN	Cable: ASI-700-4 Control Plug to ASI-502
ASI-700-04P	NPN	HFS-700/-900/628T-2 A5 Alignment Fixture
ASI-700-04Q1	628-5274-001	VHF-700 A2 Adjustment Cover
ASI-700-04Q2	628-8351-001	VHF-700 Adjustment Cover
ASI-700-04R	NPN	RTA-44A Series Detector Circuit
ASI-700-04S	NPN	HFDR Data Load Cable
ASI-700-04T		Cable: HFP-712
ASI-700-04U	315-5167-001	Cable: RTA-83A
ASI-700-04U1		Test Overlay, RTA-83A
ASI-700-04V		Cable: VHF-920 (Test Overlay Not Required)
ASI-207	622-0158-001	Test Bench Harness (477W-7)
ASI-207-1	622-0180-001	Antenna Simulator (172H-18)
ASI-207-3	NPN	CPL-920D RF High Voltage Test Fixture
ASI-207-4	822-1176-001	CPL-920D Control Card Test Set (967R-2)
ASI-207-5	752-8896-001	CPL-920D Power Supply Test Set (TE1)
ASI-207-6	989-2159-001	CPL-920D MIMS Discriminator Tester (TE2)
ASI-207-7	989-2167-001	CPL-920D RF Network Test Set (TE3)
ASI-207-8	989-2168-001	CPL-920D RF Network Holding Fixture (TE4)
ASI-207-9	989-2169-001	CPL-920D Calibration Fixture (TE5)
ASI-207-10	989-2146-001	CPL-920D 90 Degree Phase Shift Network
ASI-207-11	989-2146-002	CPL-920D 0 Degree Power Divider
ASI-207-12	989-2146-007	CPL-920D RF Test Cable
ASI-207-13	652-2443-001	CPL-920D Test Adapter
ASI-700-4-01	983-4904-001	Oscilloscope Logic Probe
ASI-700-4-02	983-4924-001	Power Supply Load Test Fixture
ASI-700-4-03	830-7415-101	Translator Tester
ASI-700-4-04	830-7934-001	Blower A4A2 Test Fixture
ASI-700-4-05	647-2143-001	Chassis/Power Supply Test Fixture
ASI-700-4-06	NPN	Unity Gain Amplifier Circuit Fixture
ASI-700-4-07	NPN	Voltage Regulator A6A3 Tester
ASI-700-4-08	830-7754-001	Control Box Assembly - Bandswitch Adapter
ASI-711	NPN	500-Ohm T-Attenuator
ASI-712	NPN	RF Injection Probe (50-Ohm)
ASI-803-1	303-0005-001	2X5 Tuning Panel for RTA-83A

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