

ARINC 700 Indicator Discrete Function Interface Unit

ASI-700-1

Description:

The ASI-700-1 Indicator Discrete Function Interface Unit (DFIU) is designed to test the Collins ARINC 700 series indicators. This DFIU works in conjunction with a user supplied ARINC 429 Data Bus Generator (T1200 or equivalent multi-port ARINC 429 Data Bus Generator) to provide the LRU with all voltages, discretes, control inputs, and outputs required for "by the book" testing per the Collins maintenance manuals. Multiple ASI-502's (single output) may be used in place of the multi-port ARINC 429 Data Bus Generator.

The ASI-700-1 and an ASI-502 with the optional Slow Slew Test Program (ASI-502-0019) provide slow slew testing of the RDMI-743 / RMI-733 compass card and bearing pointers.

Accessory test cables and equipment utilized in the testing of the Collins Indicators are listed in the Optional Equipment Section.

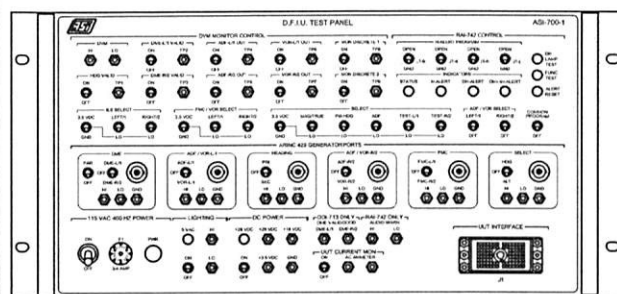
Units Tested:

Model	Part Number	Test Cable
DDI-713	622-5990-001/-302 / S242T404-301/-302	ASI-70-1A
RMI-733	622-5002-203/-205/-206/-207/-501/-502/-503/-701	ASI-70-1B
	S242T403-204/-205/-206/-207	
RMI-733A	622-6084-001	ASI-70-1C
RDMI-743	622-5001-104/-106/-107/-108/-109/-110/-111/-113	ASI-70-1D
	622-5001-501/-502/-503/-504/-601/-602/-701	
	S242T403-104/-106/-107/-108/-109/-110/-111/-113	
RDMI-743B	822-0918-001/-100	
RDMI-743	622-5001-112 / S242T403-112	ASI-70-1E
RDMI-743	622-5001-003	ASI-70-1F
RDMI-743A	622-5818-001	
RAI-742	622-5773-001	ASI-70-1G

Equipment Supplied:

ASI MN	OEM PN	Description
	HBL-7555	AC Mating Connector

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

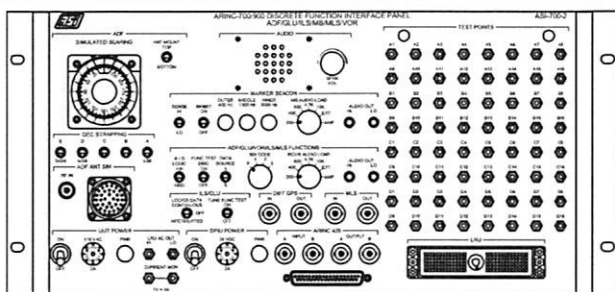


Optional Equipment:

ASI MN	OEM PN	Description
ASI-25-9A	647-6485-005	RAI-742/339H-6 Servo Alignment Pin No. 3
ASI-25-9B	647-6485-004	RAI-742/339H-6 Servo Alignment Pin No. 4
ASI-25-9C	647-6485-001	RDMI/RMI Servo Alignment Pin No. 1
ASI-25-9D	647-6485-002	RDMI/RMI Servo Alignment Pin No. 2
ASI-70-1A	NPN	Test Cable: DDI-713
ASI-70-1B	NPN	Test Cable: RMI-733
ASI-70-1C	NPN	Test Cable: RMI-733A
ASI-70-1D	NPN	Test Cable: RDMI-743/RDMI-743B
ASI-70-1E	NPN	Test Cable: RDMI-743
ASI-70-1F	NPN	Test Cable: RDMI-743/RDMI-743A
ASI-70-1G	NPN	Test Cable: RAI-742
ASI-70-1HA	NPN	RDMI-743 Extender Cable Kit
ASI-70-1HB	NPN	DDI-713 Extender Cable Kit
ASI-70-1HC	NPN	RMI-733 Extender Cable Kit
ASI-70-1HD	NPN	RAI-742 Extender Cable Kit
ASI-70-1J1	NPN	Variable Pwr Interrupt Tester (Standard)
ASI-70-1J2	NPN	Variable Pwr Interrupt Tester (T1200/T1204)
ASI-70-1K	NPN	RAI-742 One-To-One Breakout Box
ASI-259-L	NPN	RAI-742/339H-6 Left Tape Winding Fixture
ASI-259-R	NPN	RAI-742/339H-6 Right Tape Winding Fixture
ASI-502	NPN	Single Input/Output ARINC 429 Generator
ASI-502-0019	NPN	Slow Slew Test Program for ASI-502
ASI-702	NPN	RDMI/RMI DEM Test Fixture
ASI-703	NPN	DEM Mechanical Zeroing/Calibration Fixture
ASI-704	NPN	RDMI/RMI Power Supply Tester

ADF/ILS/MB/VOR Discrete Function Interface Unit

ASI-700-2



Description:

The ASI-700-2 Discrete Function Interface Unit (DFIU) is functionally equivalent to the T1201 and is designed to test the Honeywell (Bendix) and Rockwell Collins ARINC 700/900 series of ADF, ILS, MB, and VOR Line Replaceable Units (LRU).

The ASI-700-2 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 ADF/ILS/VOR 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:	ADF-700	ILS-700	VOR-700	DFA-75A
	ADF-900	ILS-700A	VOR-700A	RIA-35A
		ILS-720	VOR-900	RVA-36A
		ILS-900		

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

Equipment Supplied:

ASI MN	OEM PN	Description
	HBL-2513	AC Mating Connector
	HBL-7464V	DC Mating Connector

Optional Equipment:

ASI MN	OEM PN	Description
ASI-70-0XA	NPN	Cable: ASI-700-2/-3/-4 to T1200()
ASI-70-02A	NPN	Cable: ADF-700 / ADF-900 / DFA-75A
ASI-70-02A1	NPN	Test Point Overlay: ADF-700
ASI-70-02A2	NPN	Test Point Overlay: ADF-900
ASI-70-02A3	NPN	Test Point Overlay: DFA-75A
ASI-70-02B	NPN	Cable: ILS-700 / ILS-720 / ILS-900 / RIA-35A
ASI-70-02B1	NPN	Test Point Overlay: ILS-700
ASI-70-02B2	NPN	Test Point Overlay: ILS-720
ASI-70-02B3	NPN	Test Point Overlay: RIA-35A
ASI-70-02B4	NPN	Test Point Overlay: ILS-900
ASI-70-02C	NPN	Cable: VOR-700 / VOR-900 / RVA-36A
ASI-70-02C1	NPN	Test Point Overlay: VOR-700
ASI-70-02C2	NPN	Test Point Overlay: VOR-900
ASI-70-02C3	NPN	Test Point Overlay: RVA-36A
ASI-70-02F	NPN	ILS-700/720 Glideslopes Filter
ASI-70-02G	NPN	ILS-700/720 Power Supply A8 Extensions
ASI-70-02H	628-8209-001	ILS-700/720 Loading Tool
ASI-70-02J	NPN	ILS-720 A1A18 Extension Block
ASI-70-02K	NPN	DFA-701/901 Interconnect Test Cable
ASI-22-1F	NPN	51RV-4/5/ILS-700 N1 DC Source
ASI-713	622-6102-001	Micro Test Adapter (MST-903)
ASI-714	827-0200-003	Ident Signal Generator (Morse Code Gen.)
ASI-715-1	NPN	ILS-700 A1 Tuning Cover
ASI-715-2	628-8364-001	ILS-700 Test Cover
ASI-722-3	2039960-050	Cooling Tray