

**CHAPTER**

**46**

**INFORMATION  
SYSTEMS**



**737-600/700/800/900  
ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

**CHAPTER 46  
INFORMATION SYSTEMS**

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## 46-EFFECTIVE PAGES



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**CHAPTER 46  
INFORMATION SYSTEMS**

<b><u>SUBJECT</u></b>	<b><u>TITLE</u></b>	<b><u>PART NO.</u></b>
<b>46</b>	<b>INFORMATION SYSTEMS</b>	
46-00-01	FIBER OPTIC BREAKOUT EQUIPMENT - ARINC 600 STYLE CONNECTORS	J46002-11, -13, -15, -16, -3, -4, -8, -9

## **46-CONTENTS**



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**PART NUMBER:** J46002-3, -4, -8, -9, -11, -13, -15, -16

**NAME:** FIBER OPTIC BREAKOUT EQUIPMENT - ARINC 600 STYLE  
CONNECTORS

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

**OTHER MANUALS:** YES  
FIM

**USAGE & DESCRIPTION:** The J46002-3 (option to -13), or J46002-8 (option to -13) or J46002-13 (preferred over -3 or -8); J46002-4 (option to -9), or J46002-9 (preferred over -4); J46002-11 and J46002-15 fiber optic breakout equipment have a limited usage on 737-600 thru -900 airplanes. J46002-3, -4, -8, -9, -11, -13 and -15 are used on 737-600 thru -900 airplanes equipped with the electronic flight bag system.

J46002-16 is used on 737-7, -8, -8200 and -9 airplanes.

The J46002 equipment is used to facilitate testing and troubleshooting of optical fiber and termini in ARINC 600 style connectors. The J46002 extender box assemblies interface directly with the airplane plug connector containing optical termini. The extender box contains front panel hooks to properly secure it in place for correct termini engagement. J46002 also includes a calibrator box assembly used to determine the dB (light power) losses inherent in the equipment. J46002 contains standard "SC" jacks as an interface with customer-furnished fiber optic test equipment.

J46002-3 (option) includes a J46002-103 extender box assembly.  
J46002-8 (option) includes a J46002-108 extender box assembly.  
J46002-13 (preferred) includes a J46002-113 extender box assembly.  
J46002-103, -108 or -113 mates-with NSXNP586S00 (Radiall) or BKAC2-Q195-3 (ITT Cannon) for DSU-D3 unit D12393 and D12267.

J46002-4 (option) includes a J46002-104 extender box assembly.  
J46002-9 (preferred) includes a J46002-109 extender box assembly.  
J46002-104 or -109 mates-with BACC66H50 (and BACC66H47) for the electronic flight bag electronics unit D12265 and D12267.

J46002-11 includes a J46002-111 extender box assembly. J46002-111 mates-with 62060080D (or BACC66H59) for the content server unit (8MCU) D12953.

J46002-15 includes a J46002-115 extender box assembly. J46002-115 mates-with BACC66H64 (or 1883149-2, TE Connectivity) for server switch unit (SSU) D14001 and D13999.

J46002-16 includes a J46002-116 extender box assembly. J46002-116 mates-with BACC66K52 (or 620801029 Radiall) for Display Processing Computer (DPC) D13757 and D13759.

Refer to the current J46002 tool drawing for complete usage instructions. Applicable AMM chapter, fault isolation manual (FIM) chapter and airplane schematics to be determined by the user.

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J46002-3, -4, -8, -9, -11, -13, -15 and -16 consist of:

J46002-3 consists of:

J46002-3		
QUANTITY	NOMENCLATURE	PART NUMBER
1	EXTENDER BOX ASSEMBLY	J46002-103
1	STORAGE BOX	J46002-303

J46002-3		
QUANTITY	NOMENCLATURE	PART NUMBER
1	CALIBRATOR ASSEMBLY	J46002-203
1	STORAGE BOX	J46002-403

J46002-4 consists of:

J46002-4		
QUANTITY	NOMENCLATURE	PART NUMBER
1	EXTENDER BOX ASSEMBLY	J46002-104
1	STORAGE BOX	J46002-304

J46002-4		
QUANTITY	NOMENCLATURE	PART NUMBER
1	CALIBRATOR ASSEMBLY	J46002-204
1	STORAGE BOX	J46002-404

J46002-8 consists of:

J46002-8		
QUANTITY	NOMENCLATURE	PART NUMBER
1	EXTENDER BOX ASSEMBLY	J46002-108
1	STORAGE BOX	J46002-308

J46002-8		
QUANTITY	NOMENCLATURE	PART NUMBER
1	CALIBRATOR ASSEMBLY	J46002-208
1	STORAGE BOX	J46002-408

J46002-9 consists of:

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J46002-9		
QUANTITY	NOMENCLATURE	PART NUMBER
1	EXTENDER BOX ASSEMBLY	J46002-109
1	STORAGE BOX	J46002-309

J46002-9		
QUANTITY	NOMENCLATURE	PART NUMBER
1	CALIBRATOR ASSEMBLY	J46002-209
1	STORAGE BOX	J46002-409

J46002-11 consists of:

J46002-11		
QUANTITY	NOMENCLATURE	PART NUMBER
1	EXTENDER BOX ASSEMBLY	J46002-111
1	ADAPTER PLATE	J46002-675
1	STORAGE BOX	J46002-311

J46002-11		
QUANTITY	NOMENCLATURE	PART NUMBER
1	CALIBRATOR ASSEMBLY	J46002-211
1	STORAGE BOX	J46002-411

J46002-13 consists of:

J46002-13		
QUANTITY	NOMENCLATURE	PART NUMBER
1	EXTENDER BOX ASSEMBLY	J46002-113
1	STORAGE BOX	J46002-313

J46002-13		
QUANTITY	NOMENCLATURE	PART NUMBER
1	CALIBRATOR ASSEMBLY	J46002-213
1	STORAGE BOX	J46002-413

J46002-15 consists of:

J46002-15		
QUANTITY	NOMENCLATURE	PART NUMBER
1	EXTENDER BOX ASSEMBLY	J46002-115

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(Continued)

J46002-15		
QUANTITY	NOMENCLATURE	PART NUMBER
1	STORAGE BOX	J46002-315

J46002-15		
QUANTITY	NOMENCLATURE	PART NUMBER
1	CALIBRATOR ASSEMBLY	J46002-215
1	STORAGE BOX	J46002-415

J46002-16 consists of:

J46002-16		
QUANTITY	NOMENCLATURE	PART NUMBER
1	EXTENDER BOX ASSEMBLY	J46002-116
1	ADAPTER PLATE ASSEMBLY	J46002-675
1	STORAGE BOX	J46002-316

J46002-16		
QUANTITY	NOMENCLATURE	PART NUMBER
1	CALIBRATOR ASSEMBLY	J46002-216
1	STORAGE BOX	J46002-416

**WEIGHT:** J46002-4, -9 - 16 lbs (7 kg)  
J46002-3, -8, -13, -15  
J46002-11, -16 - 22 lbs (10 kg)

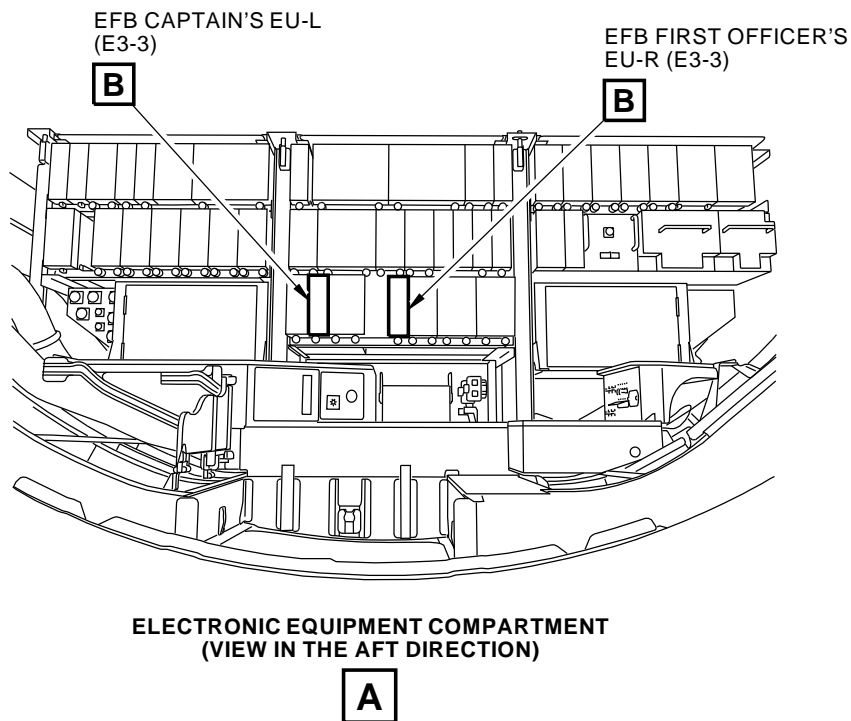
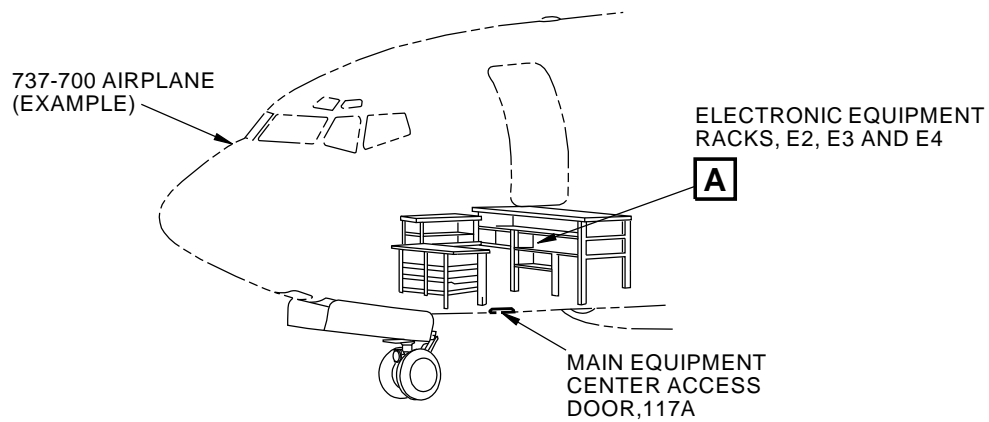
**DIMENSIONS:** Small Box J46002-3, -4, -8, -9, -13, -15 - 6 x 12 x 13 inches (152 x 305 x 330 mm)  
Large Box J46002-3, -4, -8, -9, -13, -15 - 7 x 13 x 16 inches (178 x 330 x 406 mm)  
Small Box J46002-11, -16 - 7 x 13 x 16 inches (178 x 330 x 406 mm)  
Large Box J46002-11, -16 - 7 x 14 x 19 inches (178 x 356 x 483 mm)

**NOTE:** J46002-9 replaces J46002-4 for future procurement.  
J46002-13 replaces J46002-3 and J46002-8 for future procurement.

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**ARINC 600 Style Connectors Fiber Optic Breakout Equipment  
Figure 1 (Sheet 1 of 4)**

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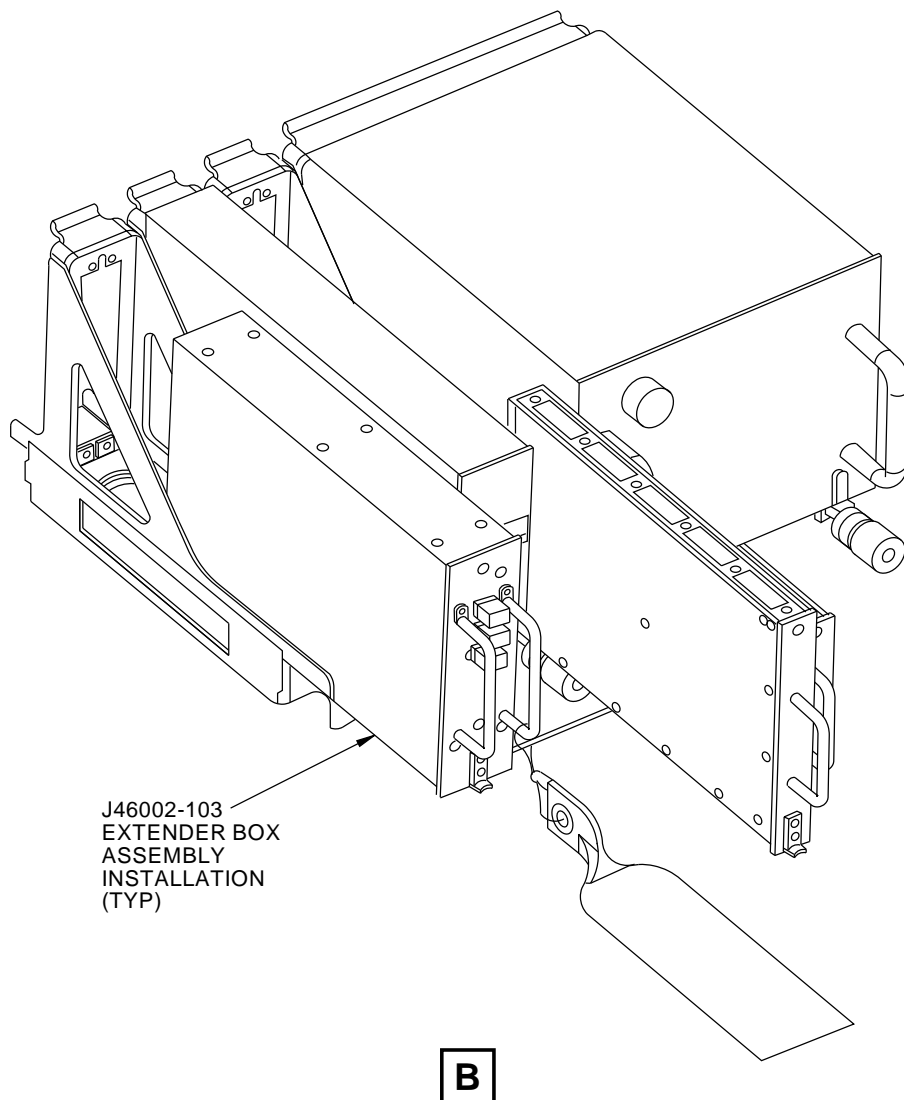
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ARINC 600 Style Connectors Fiber Optic Breakout Equipment  
Figure 1 (Sheet 2 of 4)

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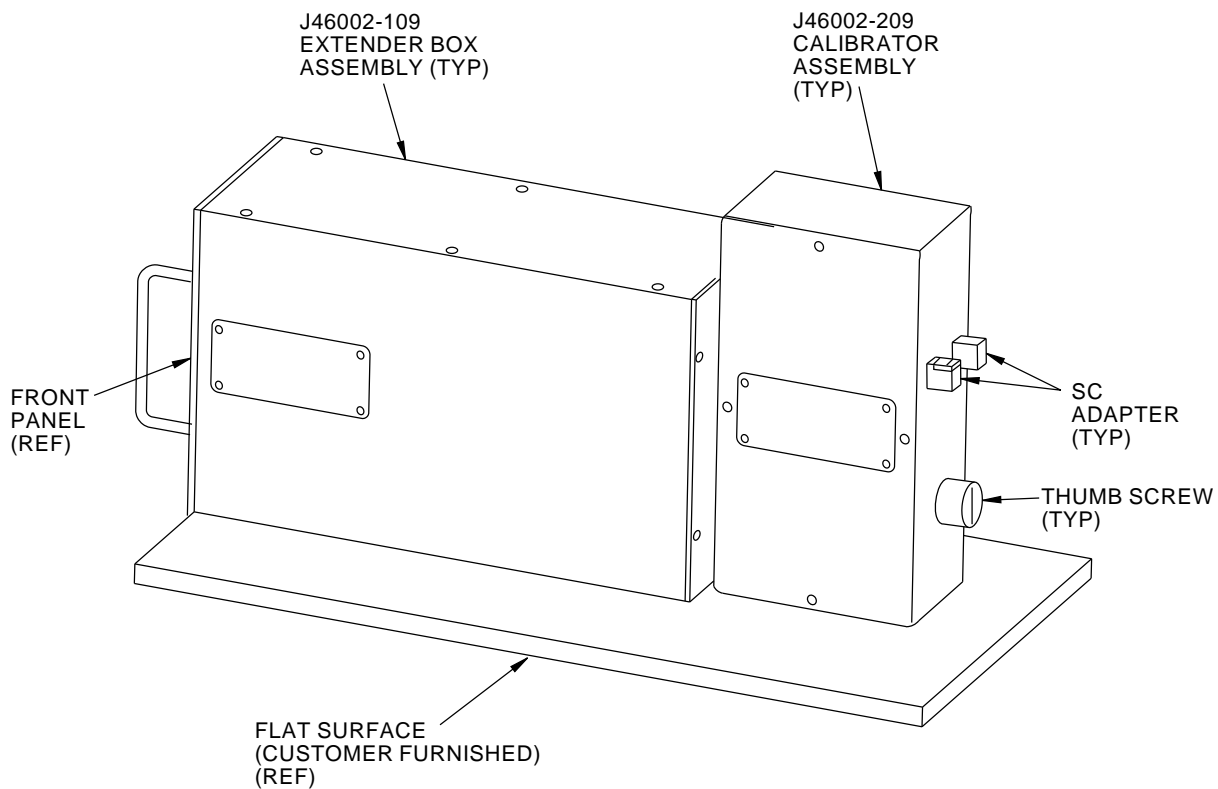
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**J46002  
CALIBRATOR ASSEMBLY USAGE  
(EXAMPLE)**

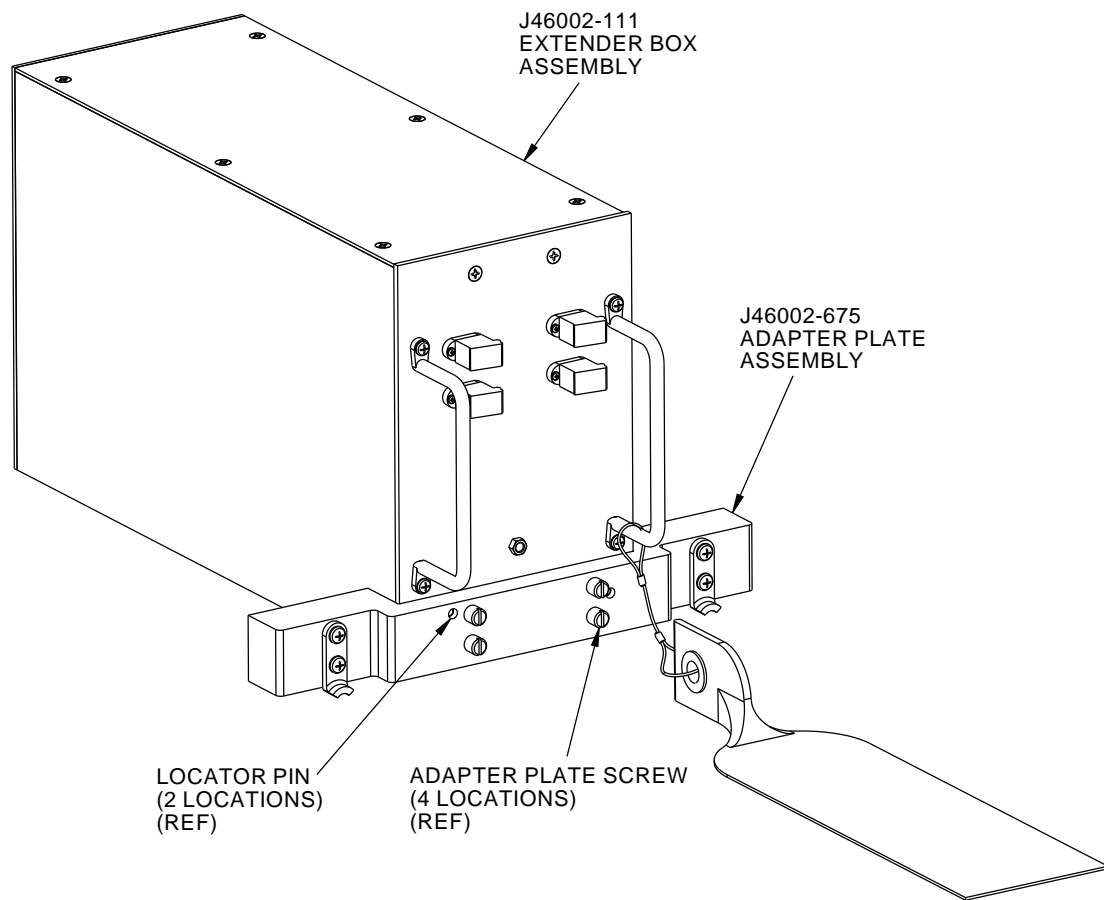
1859117 S0000333368\_V3

**ARINC 600 Style Connectors Fiber Optic Breakout Equipment  
Figure 1 (Sheet 3 of 4)**

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**J46002-675  
ADAPTER PLATE ASSEMBLY INSTALLATION**

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**ARINC 600 Style Connectors Fiber Optic Breakout Equipment  
Figure 1 (Sheet 4 of 4)**

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