

SERVICE INFORMATION LETTER

MODIFICATION TO THE 221TF101-1, -2 EMERGENCY BATTERY SYSTEM TEST FIXTURE FOR TESTING OF THE 325BS101-1, -2 AMPS2000XL UNITS.

1. Planning Information

A. Effectivity

This change applies to the test set shown below.

Part Number Acme Aerospace: 221TF101-1, -2

Serial Number As Necessary

B. Reason

A minor change in the grounding method between the 325BS101-1, -2 unit and previous AMPS units will result in an inaccurate discharge current rate in the 6 amp position when testing the 325BS101-1, -2 unit.

C. Description

This service information letter describes the modification to the 221TF101-1, -2 test fixture to accomplish this change. A 18awg jumper wire is added between pins 6 and 7 of the J3 connector. Testing of 171BS101-1, -2, 154BS101-1, -2 or 225BS101-1 units will not be affected by this change.

D. Compliance

Incorporation of this service information letter is highly recommended for all operators using the 221TF101-1, -2 test fixture for testing of the 325BS101-1, -2 AMPS2000XL units.

E. Approval

No approval required.

F. Manpower

Approximately 1 man-hour is required for modification.

G. Material

Nomenclature	Part Number	Qty
Wire	M22759/16-18-9	AR
Contact	031-1059-001	2

H. Tooling

Nomenclature	Part Number	Qty
Crimping tool	M22520/1-01	1
Crimping tool head	M39029/1-01	1
Insertion/Extraction tool	M81969/14-04	1

I. Accomplishment

Incorporation of this modification can be accomplished by the customer at their facility, or the test fixture can be returned to Acme Aerospace for modification. Contact Acme Aerospace Customer Service at 480-894-6864 prior to returning the unit. Test and Recertification charges may apply.

J. References

The following ground support equipment manual will be required to accomplish this service information letter.

Data Identification	Date	Type of Data
ATA 24-39-02 R2	May 22/06	Ground Support Equipment Emergency Battery System Test Fixture P/N 221TF101-1, -2

K. Other Publications Affected

None.

221TF101-24-01

2. Modification Instructions

Note: The 221TF101-1, -2 Ground Support Equipment manual (CMM) 24-39-02, Revision 2, dated May 22/06, will be required as a reference for these procedures. Refer to Section 2-4, Removal and Installation and Figure 1 of the Illustrated Parts List.

Caution: Ensure AC power is removed from the test fixture before proceeding.

1. Remove the cover (Fig. 1, Item 5) as follows:
 - a. Remove 6 screws (10), 3 screws (25) and washers (15, 20, 30, 35).
 - b. Remove cover (5) from the chassis (455).
2. Remove the equipment mounting rack (Fig. 1, Item 395) as follows:
 - a. Remove 4 screws (400) securing rack (395) to the chassis (455).
3. Remove the J3 connector (Fig. 1, Item 370) as follows:
 - a. Remove 4 screws (390) and washers (380, 385) and nuts (375) securing the J3 connector (390) to the equipment mounting rack (395).
4. Remove pins 6 and 7 from the J3 connector (370) as follows:
 - a. Slide the white end (extraction) of insertion/extraction tool M81969/14-04 over wire #117 and into the back of connector J3 at pin 6.
 - b. Grasping both the wire and the tool, gently pulled back until pin 6 is released from the connector.
 - c. Repeat this process for wire #113 connected to J3 pin 7.
5. Connect a jumper wire between J3 pins 6 and 7 as follows:
 - a. Clip the existing contact from the end of wire #117. Strip ¼ inch of insulation from the end of the wire.
 - b. Strip ¼ inch of insulation from both ends of a 3 inch 18awg jumper wire (M22759/16-18-9).
 - c. Insert wire #117 and one end of the jumper wire into new contact P/N 031-1059-001.
 - d. Insert the contact into crimping tool P/N M22520/1-01 using crimping head P/N M39029/1-01 set for a 12awg contact.
 - e. Crimp the contact with the crimping tool set for a 14awg wire.
 - f. Inset the contact into the J3 connector at pin 6.

- g. Repeat steps a through e with wire #113 and the other end of the jumper wire. Insert the contact into J3 pin 7.
- 6. Install the J3 connector (Fig. 1, Item 370) as follows:
 - a. Install 4 screws (390) and washers (380, 385) and nuts (375) securing the J3 connector (390) to the equipment mounting rack (395).
- 7. Install the equipment mounting rack (Fig. 1, Item 395) as follows:
 - a. Install 4 screws (400) securing rack (395) to the chassis (455).

3. Testing

- 1. Perform the Servicing procedures contained in Section 2-1 of the CMM.
- 2. Install the cover (Fig. 1, Item 5) as follows:
 - a. Place the cover (5) onto the chassis (455).
 - b. Install 6 screws (10), 3 screws (25) and washers (15, 20, 30, 35).