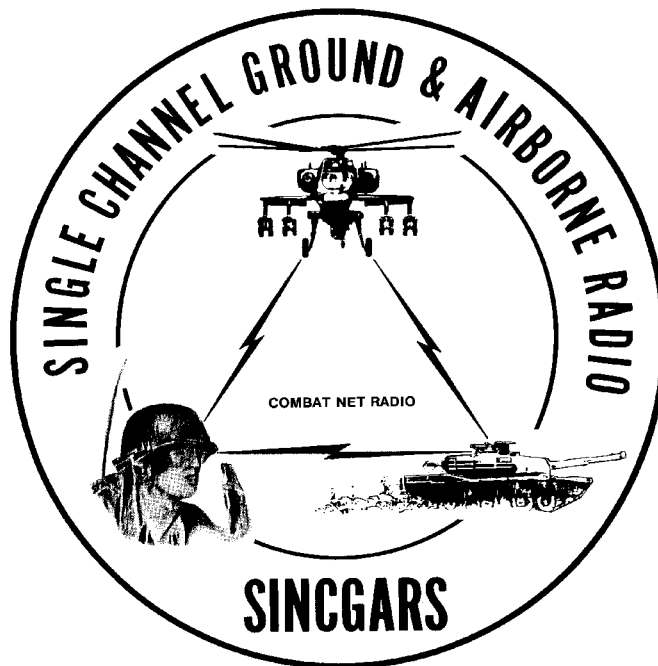


TECHNICAL BULLETIN



**REPAIR OF DISPLAY/KEYPAD ASSEMBLY
(A3266120-1)
WITH
REPAIR KIT A3210962-1
(NSN 5895-01-484-6837)
(EIC: N/A)**

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 WITH REPAIR KIT A3210962-1 (NSN 5895-01-484-6837) (EIC: N/A)**

REPORTING OF ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) direct to: Commander, US Army Communications-Electronics Command Fort Monmouth, ATTN: AMSEL-LC-LEO-D-CS-CFO, Fort Monmouth, NJ 07703-5006. The Fax number is 732-532-1413, DSN 992-1413. You may also e-mail your recommendation to: AMSEL-LC-LEO-PUBS-CHG@cecom3.monmouth.army.mil

In either case, a reply will be furnished direct to you.

TABLE OF CONTENTS

Subject	Para	Page
General Information.....	0.	1
Introduction.....	1.	2
Purpose of Installation.....	2.	2
Items to be repaired.....	3.	2
Preparation for Installation.....	4.	2
Repair Procedures.....	5.	
Disassemble Display/Keypad Assembly.....	5.1	
Assemble Display/Keypad Assembly.....	5.2.	
Install Display/Keypad Assembly.....	5.3.	
Test.....	5.4.	

LIST OF ILLUSTRATIONS

Figure	Title	Page
1	Modification Kit.....	5
2	Disassemble/Assemble Display/Keypad Assembly.....	6
3	Applying RTV Adhesive to Display/Keypad Assembly.....	7

LIST OF TABLES

Table	Title	Page
4 a	Modification kit contents.....	2
4 b	Tools and materials required.....	3

0. GENERAL INFORMATION.

0.1 SCOPE.

This technical bulletin (TB) provides information and procedures for repair of the SINCGARS ASIP Receiver-Transmitter RT-1523E Display/Keypad Assembly (DKA), part number (p/n) A3266120-1.

0.2 CONSOLIDATED INDEX OF ARMY PUBLICATIONS AND BLANK FORMS.

Refer to the latest issue of DA Pam 25-30 to determine whether there are new editions, changes, or additional publications pertaining to the equipment.

0.3 MAINTENANCE FORMS, RECORDS, AND REPORTS.

0.3.1 Reports of Maintenance and Unsatisfactory Equipment. Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA Pam 738-750, as contained in Maintenance Management Update.

0.3.2 Reporting of Item and Packaging Discrepancies. Fill out and forward SF 364 (Supply Discrepancy Report (SDR)) as prescribed in AR 735-11-2

0.3.3 Transportation Discrepancy Report (TDR) (SF 361). Fill out and forward Transportation Discrepancy Report (TDR) (SF 361) as prescribed in AR 55-38

0.4 DESTRUCTION OF ARMY ELECTRONICS MATERIEL.

Destruction of Army electronics materiel to prevent enemy use shall be in accordance with TM 750-244-2.

0.5 REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR).

If your equipment needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design or performance. Put it on an SF 368 (Product Quality Deficiency Report). Mail it to: Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: AMSEL-LC-LEO-D-CS-CFO, Fort Monmouth, New Jersey 07703-5006. We'll send you a reply.

1. INTRODUCTION. This Technical Bulletin provides information and procedures for repair of the SINGARS ASIP Receiver-Transmitter RT-1523E Display/Keypad Assembly (DKA), part number (p/n) A3266120-1.

2. PURPOSE OF INSTALLATION. The Repair Kit p/n A3210962-1, NSN 5895-01-484-6837, will typically be installed to replace damaged glass in the DKA. The repair kit replaces the casting and rubber keypad. The new casting provides increased support for the glass.

3. ITEMS TO BE REPAIRED. The Display/Keypad Assembly exists in two versions. Instructions are provided herein for repair of DKA p/n A3266120-1. The repairable DKA p/n A3266120-1 can be identified by 3/16 inch thick mounting tabs and having six screws securing its rear cover.

4. PREPARATION FOR INSTALLATION. Inspect the kit to verify that all items listed below and shown in figure 1 are included. Obtain the tools and material listed.

a. Modification kit contents.

<u>Item</u>	<u>NSN</u>	<u>Reference Number</u>	<u>Quantity</u>
Display Casting Assembly (with Rubber Keypad)		A3210963-1	1
Rear Cover and Hardware		A3210965-1	1

b. Tools and materials required.

<u>Item</u>	<u>NSN</u>	<u>Reference Number</u>	<u>Quantity</u>
Tool Kit	5180-00-610-8177	TK-105/G	1
Adhesive, RTV (3 oz)	8040-01-331-7133	MIL-A-46146	1
Interconnecting Group	5895-01-459-8523	ON-373B/GRC	1

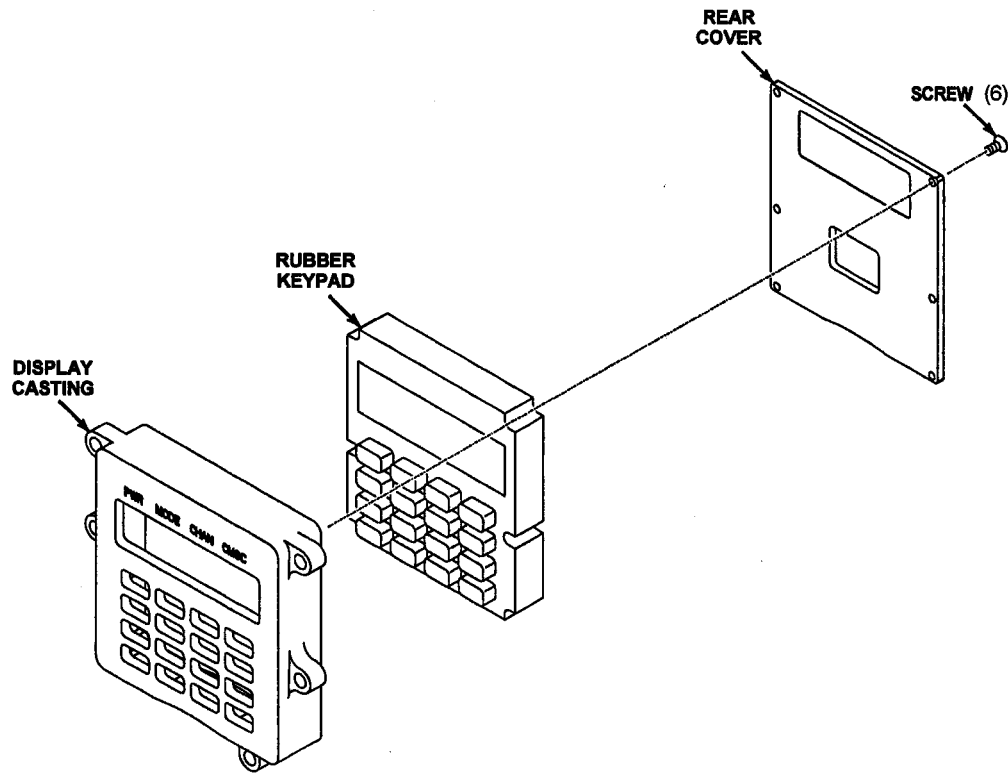


Figure 1. Modification Kit.

5. REPAIR PROCEDURES. The following instructions provide detailed information for repair of Display/Keypad Assembly A3266120-1. Refer to figure 2.

CAUTION:

Electrostatic Sensitive Device: Remove electrostatic protection at use or in protected area. Reuse packaging materials for the unserviceable item. See DOD-HDBK-263 for protective handling or testing measures for this item

- a. Disassemble Display/Keypad Assembly.
 - (1). Removal of rear cover.
 - (a) Using a #0 cross tip screwdriver, remove and discard six screws securing rear cover to display casting.Using a pocketknife, remove RTV from rear cover and display casting.
 - (b) Using a flat tip screwdriver, pry rear cover from display casting.
 - (c) Remove and discard rear cover from display casting.
 - (2). Removal of CCA-display controller.
 - (a) Remove CCA-display controller from display casting.
 - (b) Retain CCA-display controller for re-installation into new display casting.
 - (c) Discard display casting.

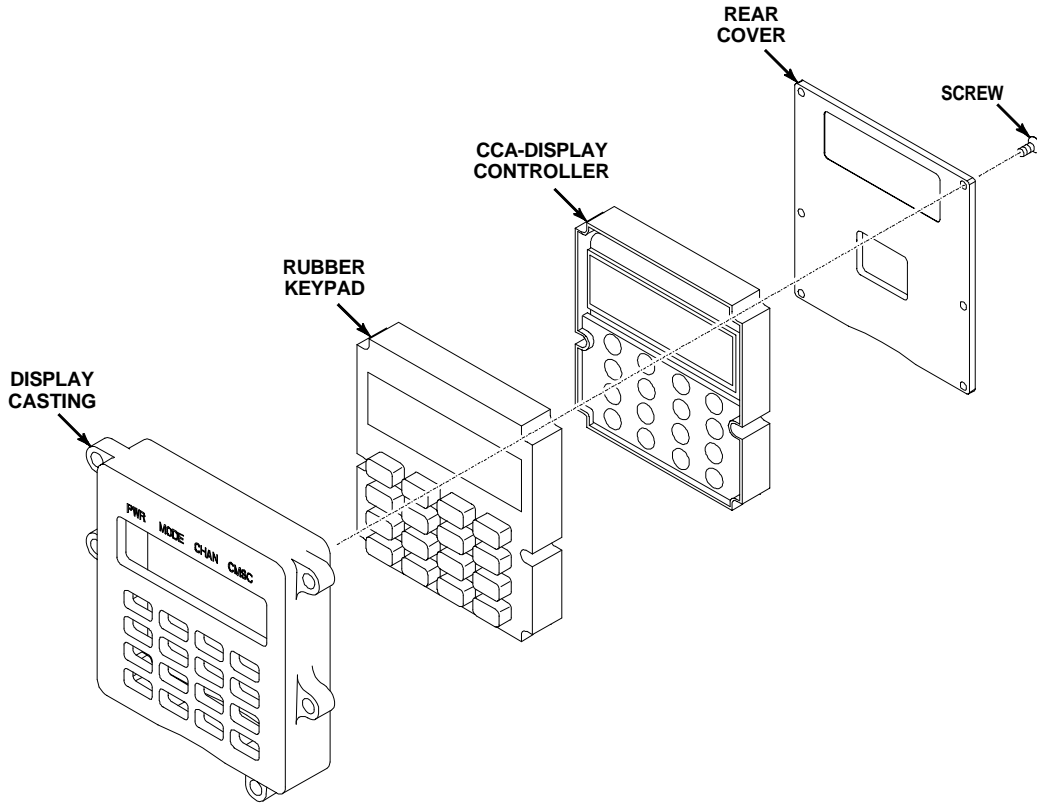


Figure 2. Disassemble/Assemble Display/Keypad Assembly.

b. Assemble Display/Keypad Assembly.

- (1). Install retained CCA-display controller to replacement rubber keypad. Make sure CCA-display controller is fully seated and rubber keypad overlaps plastic frame around CCA-display controller.
- (2). Install CCA-display controller and rubber keypad into replacement display casting.
- (3). Apply a continuous thin bead of Adhesive, RTV on edge of rubber keypad and display casting. See figure 3.
- (4). Position replacement rear cover to display casting and adhesive bead.
- (5). Using a #0 cross tip screwdriver, install six replacement screws from kit securing rear cover to display casting.
- (6). Remove excess adhesive from display/keypad assembly.
- (7). Let assembly dry face down for four hours before moving.

c. Install Display/Keypad Assembly.

- (1). Clean attachment area on RT. Inspect O-ring, replace if necessary.
- (2). Install repaired display/keypad assembly to RT.
- (3). Using a torque screwdriver, torque five screws securing display/keypad assembly to RT to 9 +/- 1 in-lbs.

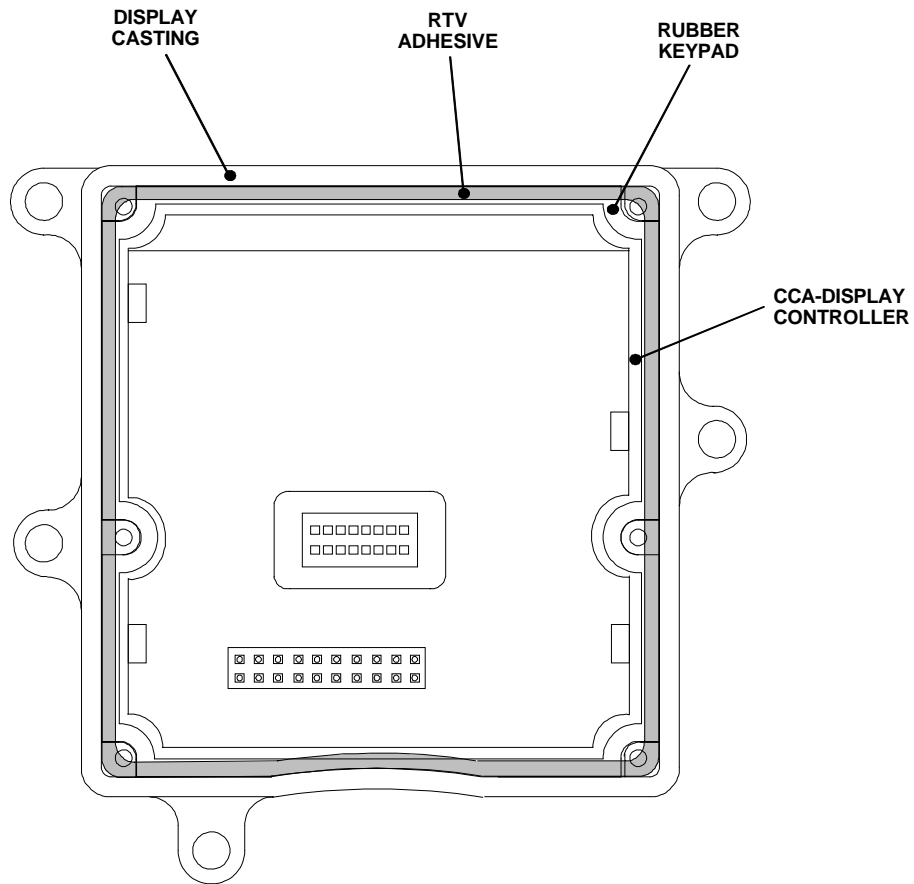
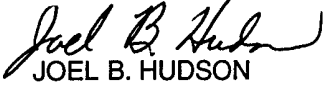


Figure 3. Applying RTV Adhesive to Display/Keypad Assembly.

- d. Test.
 - (1). Verify repair was successful by performing RT BIT Test.

By Order of the Secretary of the Army:

Official:


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Secretary of the Army*
0219011

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