

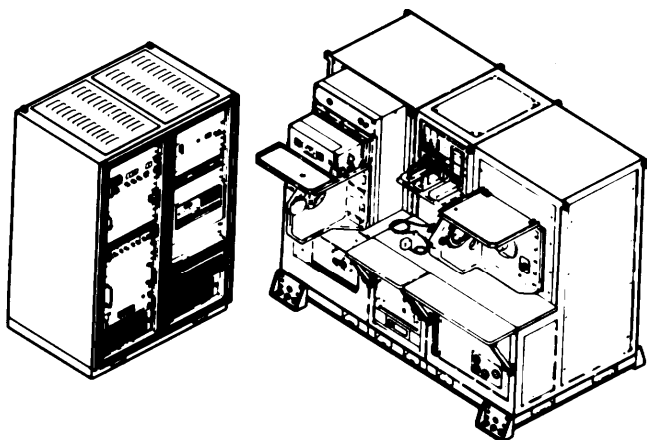
TECHNICAL MANUAL

ORGANIZATIONAL AND DIRECT SUPPORT
MAINTENANCE MANUAL
FOR

ELECTRONIC EQUIPMENT TEST FACILITY
TADS/PNVS AUGMENTATION EQUIPMENT

13082808-39, 13231600, 13231650 AND 13231800

DIRECT SUPPORT MAINTENANCE



ELECTRONIC STATION
MAINTENANCE PROCEDURES (P 4-3)

GENERAL MAINTENANCE
PROCEDURES (P 5-3)

DAYSIDE TEST BENCH 2A1
MAINTENANCE PROCEDURES (P 5-45)

TEST CONSOLE TEST BENCH 2A2
MAINTENANCE PROCEDURES (P 5-131)

NIGHTSIDE TEST BENCH 2A3
MAINTENANCE PROCEDURES (P 5-159)

MAJOR TEST ADAPTER
MAINTENANCE PROCEDURES (P 6-3)

TEST FIXTURES
MAINTENANCE PROCEDURES (P 6-13)

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This copy is a reprint which includes current
pages from Changes 1 through 10.

HEADQUARTERS,
DEPARTMENT OF THE ARMY

1 FEBRUARY 1986

ORGANIZATIONAL AND DIRECT SUPPORT
 MAINTENANCE MANUAL
 FOR
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 TADS/PNVS AUGMENTATION EQUIPMENT

REPORTING 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, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to: Commander, U.S. Army Aviation and Troop Command, ATTN: AMSAT-I-MP, 4300 Goodfellow Blvd, St. Louis, MO 63120-1798. A reply will be furnished to you.

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CHAPTER 4

DI RECT SUPPORT MAINTENANCE I NSTRUCTIONS
ELECTRONIC STATION

	Section	Page
Repair Parts; Special Tools; Test, Measurement, and Diagnostics Equipment (TMDE); and Support Equipment	I	4-2
Electronic Station Maintenance Procedures	II	4-3

OVERVIEW

This chapter provides direct support maintenance instructions for the electronic station.



Section I. REPAIR PARTS; SPECIAL TOOLS; TEST, MEASUREMENT, AND
DIAGNOSTIC EQUIPMENT (TMDE); AND SUPPORT EQUIPMENT

	Para	Page
Common Tools and Equipment.	4-1	4-2
Special Tools, TMDE and Support Equipment	4-2	4-2
Repair Parts.	4-3	4-2

4-1. COMMON TOOLS AND EQUIPMENT 4-1

The maintenance tasks described in this chapter use tools contained in Tool Kits, Electronic Equipment TK-100/G and TK-105/G. Other tools required are listed in paragraph 4-2 below and in the INITIAL SETUP of the specific maintenance task.

4-2. SPECIAL TOOLS, TMDE, AND SUPPORT EQUIPMENT 4-2

For authorized special tools and support equipment pertaining to direct support maintenance, refer to TM 11-6625-3081-23P, Repair Parts and Special Tools List (RPSTL). For some work on the Electronic Station, special tools, TMDE, or support equipment are needed. The following is a list of these items. Each item is identified in the INITIAL SETUP of each maintenance task that requires its use.

Item No.	National Stock No. or Part No.	Nomenclature
1	8415-00-082-6108	Apron, rubber
2	4240-00-052-3776 (GGG-531CL1)	Goggles, acid-type safety
3	TBD	Probe, shorting
4	LN-24BP	1/8 inch hex head ball end wrench

4-3. REPAIR PARTS 4-3

Repair parts are listed and illustrated in the RPSTL (TM 11-6625-3081-23P) covering organizational and direct support maintenance for this equipment.

Section II. ELECTRONIC STATION MAINTENANCE PROCEDURES

Subject	Para	Page
AC Control Panel Assembly 1A5 Repair	4-4	4-3
Blower Assembly 1A6 or 1A12 Repair	4-5	4-8
Cable Entry Panel Repair	4-6	4-15
Cable and Connector Repair/Replacement	4-7	4-18

4-4. AC CONTROL PANEL ASSEMBLY 1A5 REPAIR 4-4

This task covers replacement of:

Para	Item	Para	Item
1.	Circuit breakers 1A5CB1 thru 1A5CB5	2.	Terminal board 1A5TB1

INITIAL SETUP

Personnel Required

396 ATE Repairer

References

TM 11-6625-3085-12

Equipment Condition

Power removed (para 2-24.1)
Electronic station positioned for maintenance (TM 11-6625-3085-12)

FOLLOWUP

Electronic station positioned for operation (TM 11-6625-3085-12)

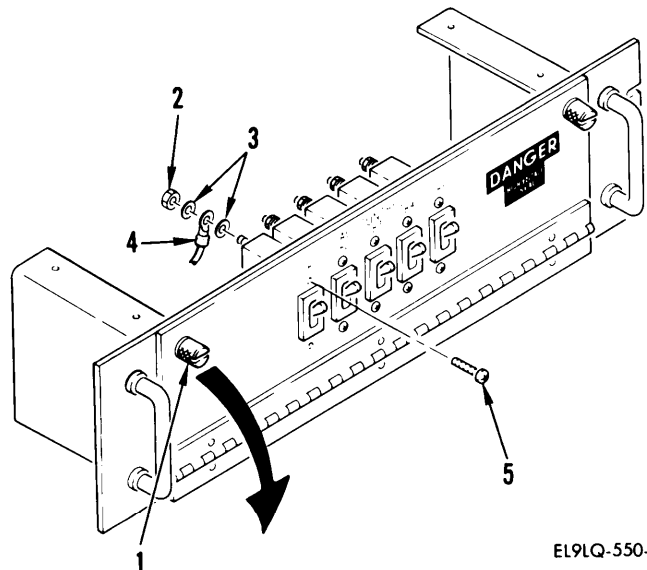
1. CIRCUIT BREAKER CB1 THRU CB5 REPLACEMENT

NOTE

Use this procedure to replace any of five circuit breakers in AC CONTROL panel assembly.

REMOVAL

- a. On front panel of AC CONTROL panel assembly, turn two turnlock fasteners (1) counterclockwise and lower hinged panel.

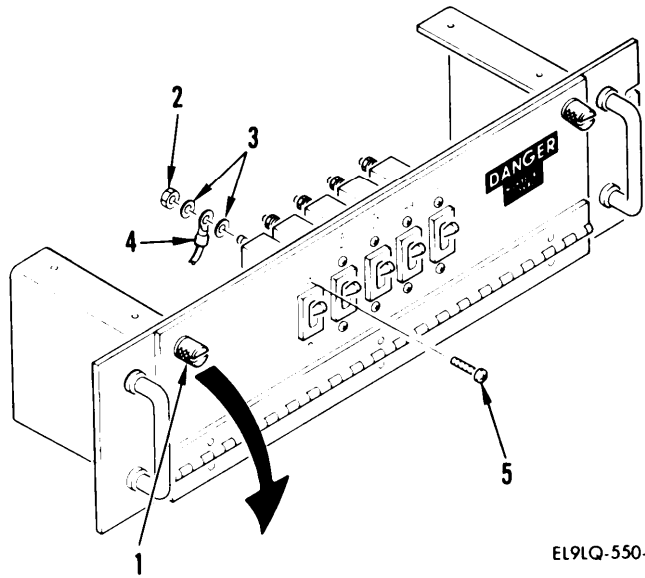


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- b. Locate defective circuit breaker.

Circuit Breaker	Applies Power To
CB1	Plug mold 1A1J2
CB2	Plug mold 1A1J1
CB3	Digital computer assembly 1A10
CB4	E0 test bench
CB5	E0 test bench



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- c. Remove nuts (2), washers (3), and wire lugs (4) from both terminals of defective circuit breaker.
- d. On front panel of AC CONTROL panel assembly, remove two screws (5) and remove defective circuit breaker.

INSTALLATION

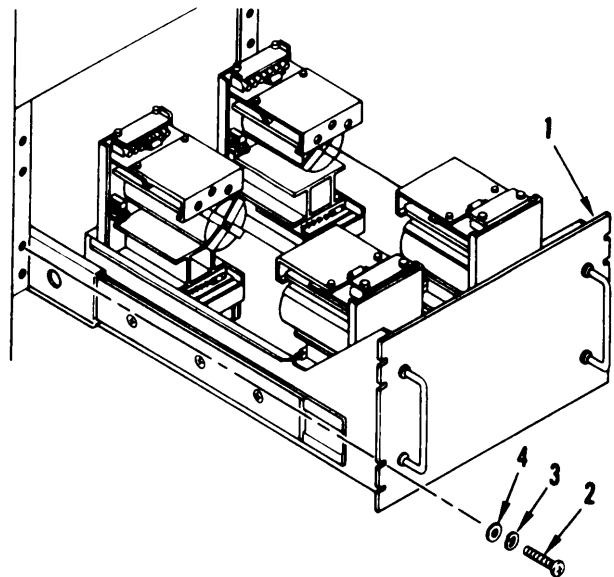
- e. Install replacement circuit breaker in reverse order of removal.

END OF TASK

2. TERMINAL BOARD TB1 REPLACEMENT

REMOVAL

- a. On front panel of DC POWER SUPPLY assembly (1), remove eight screws (2), lockwashers (3), and Washer (4), and pull out DC POWER SUPPLY assembly.



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