MAINTENANCE CONTROL AND DISPLAY PANELS—TESTS
NO. 2B ELECTRONIC SWITCHING SYSTEM

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1. GENERAL

1.01 This section describes the method of testing the visual indications provided at the 3A central control (3A CC) control panels and the system status panel (SSP) in the No. 2B Electronic Switching System (ESS). It also provides the procedures for testing the operation of the various keys and switches associated with the 3A CC control panels and SSP. The system emergency manual control portion of the SSP is not covered in this section. (The system emergency manual control is discussed in Section 232-306-104.)

1.02 Whenever this section is reissued, the reason for reissue will be listed in this paragraph.

1.03 The 3A CC is located in the upper midsection of each bay of the processor frame (Fig. 1). The position on the frame provides the operator convenient access to the keys and switches of the 3A CC control panel.

1.04 The system status panel is housed in the upper midsection of the maintenance frame (Fig. 2). The system status panel is hinged to the side brackets of the system status panel controller and a magnetic latch on the panel keeps is securely closed.

1.05 The control and display equipment includes the following:

(a) Lamp and light emitting diode (LED) displays which show the status of the system, including alarm conditions, CU status, and certain peripheral equipment conditions.

(b) Keys and switches providing direct access to various registers for use during routine tests and a backup means of testing if programmed diagnostics fail.

(c) LEDs for displaying memory or scanner readings as aids for manual tests. The proper message, when entered on the maintenance TTY, causes certain memory words or scanner rows to be read and displayed on the display panels.

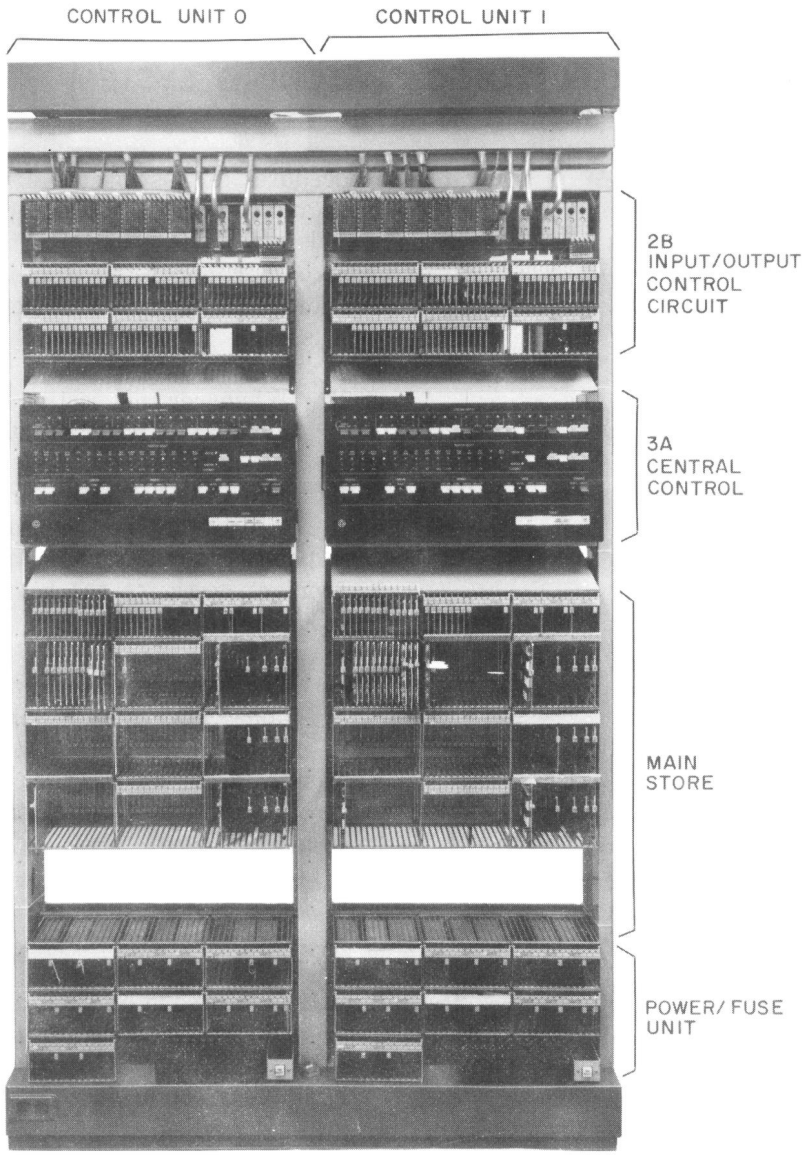

Fig. 1—No. 2B ESS Processor Frame

(d) Keys for controlling the 3A CC and SSP power.

1.06 The keys on the control and display equipment may be either momentary-action or alternate-action keys. The alternate-action key is depressed once to activate and depressed again to deactivate. (Refer to Fig. 3 and 4.)

1.07 Major and minor trouble conditions in the system are indicated by LED displays accompanied by an audible alarm. Lamps and LEDs of appropriate colors are used to indicate:

(a) which various modes of operation certain units are in,

(b) trouble conditions, and

(c) certain selections that have been made by operating various keys and switches.

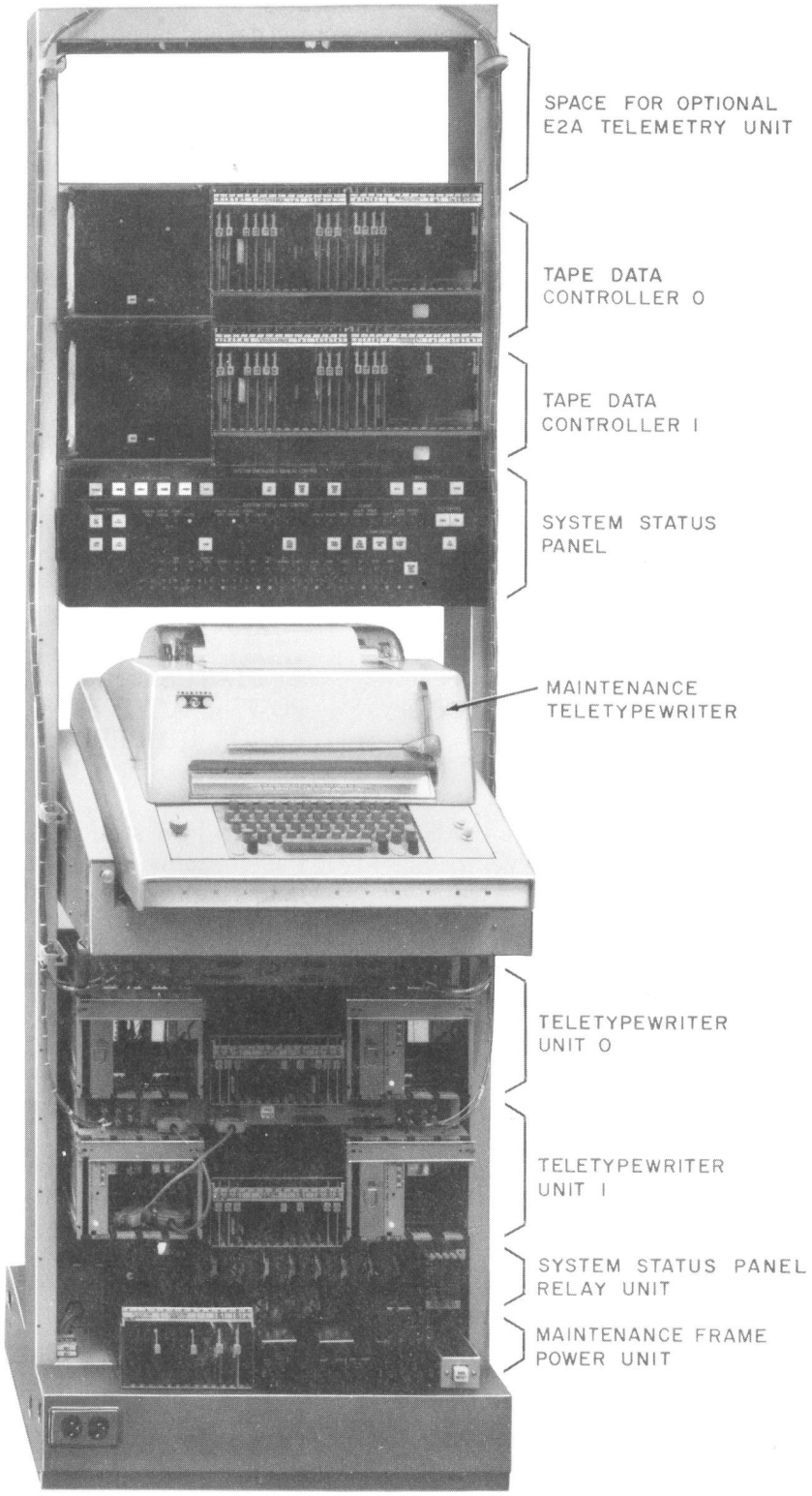

Fig. 2—No. 2B ESS Maintenance Frame

1.08 ***Red*** lamps and LEDs indicate a primary trouble. This signifies that a trouble of a major consequence exists and that immediate action is necessary to correct the malfunction.

1.09 ***Amber*** lamps and LEDs generally indicate a special condition or display.

1.10 ***Green*** lamps and LEDs are used to indicate the normal status of the equipment and to indicate whether requested tests have passed.

1.11 ***White*** lamps indicate an active condition or the selection of a particular key. When the key is operated (or activated), the lamp is lighted.

1.12 ***Lettered Steps:*** A letter a, b, c, etc, added to step numbers of this section indicates an action which may or may not be required depending on local conditions. The condition under which a lettered step, or series of lettered steps should be made is given in the ACTION column, and all steps governed by the same condition are designated by the same letter within a test. Where a condition does not apply, all steps designated by that letter should be omitted.

2. 3A CC CONTROL PANEL

Note: The following tests should be run on each 3A CC control panel.

A. Lamp Test

2.01 The following procedure is used to test the lamps at the STATUS section of the 3A CC control panels.

STEP	ACTION	VERIFICATION
1	At STATUS section of 3A CC control panel— Depress and hold LAMP & PWR TEST key.	At STATUS section of 3A CC control panel— POWER, ACTIVE, NOT ACTIVE, MANUAL, ERROR STOPPED and TEST MODE lamps lighted.
2	At STATUS section— Release LAMP & PWR TEST key.	At STATUS section— Panel lamps extinguished except for those lamps lighted before the test was started.

B. STATUS Section Test

2.02 The following procedure is used to test the lamps and interlocking functions of the STATUS section. The ACTIVE lamp is tested on the active 3A CC. The ACTIVE lamp will be tested on the inactive 3A CC when this test is repeated on the other 3A CC.

STEP	ACTION	VERIFICATION
1a	If ACTIVE lamp at STATUS section of 3A CC being tested is lighted— At TTY— Type in: SW:CU!	At STATUS section of 3A CC being tested— NOT ACTIVE lamp lighted. At STATUS section of 3A CC not being tested— ACTIVE lamp lighted.
2	At SYSTEM STATUS AND CONTROL section of SSP— Depress LOCK key.	At SYSTEM STATUS AND CONTROL section of SSP— LOCK lamp lighted. UNAVAILABLE LED of CU being tested lighted. MANUAL FORCE LED lighted. At FORCE CU ACTIVE section— CU FORCE and CU( ) lamps lighted. ( ) = 0 or 1—active CU. At TTY—

STEP	ACTION	VERIFICATION
		System response: REPT CU STAT UAV.
3	At inside of 3A CC control panel (Fig. 5)— Set TEST MODE—NORMAL switch to the TEST MODE position.	At STATUS section of 3A CC control panel— TEST MODE lamp lighted. At TTY— System response: REPT ERR KEY
4	At inside of 3A CC control panel— Set TEST MODE—NORMAL switch to the NORMAL position.	At STATUS section of 3A CC control panel— TEST MODE lamp extinguished.
5	At COMMAND section of 3A CC control panel— Momentarily set EXECUTE switch to the up position.	System does ***not*** respond.
6	At STATUS section— Depress RESET CIRCUITS key.	System does ***not*** respond.
7	At STATUS section— Depress MANUAL key.	At STATUS section— MANUAL lamp lighted. At TTY— System response: REPT CU STAT MAN
8	At STATUS section— Depress RESET CIRCUITS key.	At TTY— System response: REPT ERR MCH
9	At TTY— Type in: DGN:CU:15!	At STATUS section— ERROR STOPPED lamp lighted momentarily while diagnostic is being run.
10	At STATUS section— Depress MANUAL key.	At STATUS section— MANUAL lamp extinguished.
11	At SYSTEM STATUS AND CONTROL section of SSP— Depress LOCK key.	At SYSTEM STATUS AND CONTROL section of SSP— UNAVAILABLE LED extinguished. OUT OF SERVICE LED lighted. LOCK lamp extinguished. MANUAL FORCE LED extinguished. At FORCE CU ACTIVE section— CU FORCE, CU 0, and CU 1 lamps extinguished. At TTY— System response: REPT CU STAT AVL When main store is updated— At TTY— System response: UPD OMAS COMPL

STEP	ACTION	VERIFICATION
		At SYSTEM STATUS AND CONTROL section— OUT OF SERVICE LED extinguished. STANDBY LED lighted.
12	At STATUS section of 3A CC control panel— Depress POWER key.	At STATUS section of 3A CC control panel— POWER lamp remains lighted. At SYSTEM STATUS AND CONTROL section of SSP— MANUAL FORCE LED lighted. At TTY— System response: REPT ERR KEY
13	At STATUS section— Depress POWER key.	At STATUS section— POWER lamp remains lighted. At SYSTEM STATUS AND CONTROL section of SSP— MANUAL FORCE LED extinguished. At TTY— ***No*** system response.

C. REGISTER LOAD and DISPLAY Test

2.03 The following procedure is used to test the LEDs and switches associated with register load and display function.

STEP	ACTION	VERIFICATION
1	Perform Steps 1a and 2 of Test B.	
2	At STATUS section of the 3A CC control panel— Depress MANUAL key. ***Note:*** All switches should be in the down position.	At STATUS section of the 3A CC control panel— MANUAL lamp lighted. At TTY— System response: REPT CU STAT MAN
3	At MODE section— Set HALT switch to the up position.	
4	At REGISTER section— Set LOAD and DISPLAY switches to the up position.	
5	At LOAD AND DISPLAY section— Set 0 through 19 switches to the up position.	
6	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— 0 through 15, PL, and PH LEDs lighted. 16 through 19 and ENABLE MANUAL PAR LEDs extinguished.

STEP	ACTION	VERIFICATION
7	At REGISTER SELECT section— Set 1 switch to the up position.	At REGISTER SELECT section— 1 LED lighted. 0 LED extinguished.
8	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— 0 through 15, PL, and PH LEDs lighted. 16 through 19 and ENABLE MANUAL PAR LEDs extinguished.
9	At REGISTER SELECT section— Set 1 switch to the down position. Set 2 switch to the up position.	At REGISTER SELECT section— 2 LED lighted. 1 LED extinguished.
10	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— 0 through 15, PL, and PH LEDs lighted. 16 through 19 and ENABLE MANUAL PAR LEDs extinguished.
11	At REGISTER SELECT section— Set 1 switch to the up position.	At REGISTER SELECT section— 3 LED lighted. 2 LED extinguished.
12	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— 0 through 15, PL, and PH LEDs lighted. 16 through 19 and ENABLE MANUAL PAR LEDs extinguished.
13	At REGISTER SELECT section— Set 1 and 2 switches to the down position. Set 4 switch to the up position.	At REGISTER SELECT section— 4 LED lighted. 3 LED extinguished.
14	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— 0 through 15, PL, and PH LEDs lighted. 16 through 19 and ENABLE MANUAL PAR LEDs extinguished.
15	At REGISTER SELECT section— Set 1 switch to the up position.	At REGISTER SELECT section— 5 LED lighted. 4 LED extinguished.
16	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— 0 through 15, PL, and PH LEDs lighted. 16 through 19 and ENABLE MANUAL PAR LEDs extinguished.
17	At REGISTER SELECT section— Set 1 switch to the down position. Set 2 switch to the up position.	At REGISTER SELECT section— 6 LED lighted. 5 LED extinguished.
18	At COMMAND section— Momentarily set EXECUTE switch to the up	At LOAD AND DISPLAY section— 0 through 15, PL, and PH LEDs lighted.

STEP	ACTION	VERIFICATION
	position.	16 through 19 and ENABLE MANUAL PAR LEDs extinguished.
19	At REGISTER SELECT section— Set 1 switch to the up position.	At REGISTER SELECT section— 7 LED lighted. 6 LED extinguished.
20	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— 0 through 15, PL, and PH LEDs lighted. 16 through 19 and ENABLE MANUAL PAR LEDs extinguished.
21	At REGISTER SELECT section— Set 1, 2, and 4 switches to the down position. Set 8 switch to the up position.	At REGISTER SELECT section— 8 LED lighted. 7 LED extinguished.
22	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— 0 through 15, PL, and PH LEDs lighted. 16 through 19 and ENABLE MANUAL PAR LEDs extinguished.
23	At REGISTER SELECT section— Set 1 switch to the up position.	At REGISTER SELECT section— 9 LED lighted. 8 LED extinguished.
24	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— 0 through 15, PL, and PH LEDs lighted. 16 through 9 and ENABLE MANUAL PAR LEDs extinguished.
25	At REGISTER SELECT section— Set 1 switch to the down position. Set 2 switch to the up position.	At REGISTER SELECT section— 10 LED lighted. 9 LED extinguished.
26	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— 0 through 15, PL, and PH LEDs lighted. 16 through 19 and ENABLE MANUAL PAR LEDs extinguished.
27	At REGISTER SELECT section— Set 1 switch to the up position.	At REGISTER SELECT section— 11 LED lighted. 10 LED extinguished.
28	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— 0 through 15, PL, and PH LEDs lighted. 16 through 19 and ENABLE MANUAL PAR LEDs extinguished.
29	At REGISTER SELECT section— Set 1 and 2 switches to the down position. Set 4 switch to the up position.	At REGISTER SELECT section— 12 LED lighted. 11 LED extinguished.

STEP	ACTION	VERIFICATION
30	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— 0 through 15, PL, and PH LEDs lighted. 16 through 19 and ENABLE MANUAL PAR LEDs extinguished.
31	At REGISTER SELECT section— Set 1 switch to the up position.	At REGISTER SELECT section— 13 LED lighted. 12 LED extinguished.
32	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— 0 through 15, PL, and PH LEDs lighted. 16 through 19 and ENABLE MANUAL PAR LEDs extinguished.
33	At REGISTER SELECT section— Set 1 switch to the down position. Set 2 switch to the up position.	At REGISTER SELECT section— 14 LED lighted. 13 LED extinguished.
34	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— 0 through 15, PL, and PH LEDs lighted. 16 through 19 and ENABLE MANUAL PAR LEDs extinguished.
35	At REGISTER SELECT section— Set 1 switch to the up position.	At REGISTER SELECT section— 15 LED lighted. 14 LED extinguished.
36	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— 0 through 15, PL, and PH LEDs lighted. 16 through 19 and ENABLE MANUAL PAR LEDs extinguished.
37	At REGISTER SELECT section— Set SPECIAL/GENERAL switch to the up position.	At REGISTER SELECT section— SPECIAL LED lighted. GENERAL LED extinguished.
38	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— 0 through PH LEDs lighted. ENABLE MANUAL PAR LED extinguished.
39	At LOAD AND DISPLAY section— Set 0 through 19 switches to the down position.	
40	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— PL and PH LEDs lighted. 0 through 19 and ENABLE MANUAL PAR LEDs extinguished.
41	At REGISTER SELECT section— Set SPECIAL/GENERAL switch to the down position.	At REGISTER SELECT section— GENERAL LED lighted. SPECIAL LED extinguished.

STEP	ACTION	VERIFICATION
42	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— PL and PH LEDs lighted. 0 through 19 and ENABLE MANUAL PAR LEDs extinguished.
43	At REGISTER SELECT section— Set 1 switch to the down position.	At REGISTER SELECT section— 14 LED lighted. 15 LED extinguished.
44	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— PL and PH LEDs lighted. 0 through 19 and ENABLE MANUAL PAR LEDs extinguished.
45	At REGISTER SELECT section— Set 2 switch to the down position. Set 1 switch to the up position.	At REGISTER SELECT section— 13 LED lighted. 14 LED extinguished.
46	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— PL and PH LEDs lighted. 0 through 19 and ENABLE MANUAL PAR LEDs extinguished.
47	At REGISTER SELECT section— Set 1 switch to the down position.	At REGISTER SELECT section— 12 LED lighted. 13 LED extinguished.
48	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— PL and PH LEDs lighted. 0 through 19 and ENABLE MANUAL PAR LEDs extinguished.
49	At REGISTER SELECT section— Set 4 switch to the down position. Set 1 and 2 switches to the up position.	At REGISTER SELECT section— 11 LED lighted. 12 LED extinguished.
50	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— PL and PH LEDs lighted. 0 through 19 and ENABLE MANUAL PAR LEDs extinguished.
51	At REGISTER SELECT section— Set 1 switch to the down position.	At REGISTER SELECT section— 10 LED lighted. 11 LED extinguished.
52	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— PL and PH LEDs lighted. 0 through 19 and ENABLE MANUAL PAR LEDs extinguished.

STEP	ACTION	VERIFICATION
53	At REGISTER SELECT section— Set 2 switch to the down position. Set 1 switch to the up position.	At REGISTER SELECT section— 9 LED lighted. 10 LED extinguished.
54	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— PL and PH LEDs lighted. 0 through 19 and ENABLE MANUAL PAR LEDs extinguished.
55	At REGISTER SELECT section— Set 1 switch to the down position.	At REGISTER SELECT section— 8 LED lighted. 9 LED extinguished.
56	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— PL and PH LEDs lighted. 0 through 19 and ENABLE MANUAL PAR LEDs extinguished.
57	At REGISTER SELECT section— Set 8 switch to the down position. Set 1, 2, and 4 switches to the up position.	At REGISTER SELECT section— 7 LED lighted. 8 LED extinguished.
58	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— PL and PH LEDs lighted. 0 through 19 and ENABLE MANUAL PAR LEDs extinguished.
59	At REGISTER SELECT section— Set 1 switch to the down position.	At REGISTER SELECT section— 6 LED lighted. 7 LED extinguished.
60	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— PL and PH LEDs lighted. 0 through 19 and ENABLE MANUAL PAR LEDs extinguished.
61	At REGISTER SELECT section— Set 2 switch to the down position. Set 1 switch to the up position.	At REGISTER SELECT section— 5 LED lighted. 6 LED extinguished.
62	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— PL and PH LEDs lighted. 0 through 19 and ENABLE MANUAL PAR LEDs extinguished.
63	At REGISTER SELECT section— Set 1 switch to the down position.	At REGISTER SELECT section— 4 LED lighted. 5 LED extinguished.
64	At COMMAND section— Momentarily set EXECUTE switch to the up	At LOAD AND DISPLAY section— PL and PH LEDs lighted.

STEP	ACTION	VERIFICATION
	position.	0 through 19 and ENABLE MANUAL PAR LEDs extinguished.
65	At REGISTER SELECT section— Set 4 switch to the down position. Set 1 and 2 switches to the up position.	At REGISTER SELECT section— 3 LED lighted. 4 LED extinguished.
66	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— PL and PH LEDs lighted. 0 through 19 and ENABLE MANUAL PAR LEDs extinguished.
67	At REGISTER SELECT section— Set 1 switch to the down position.	At REGISTER SELECT section— 2 LED lighted. 3 LED extinguished.
68	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— PL and PH LEDs lighted. 0 through 19 and ENABLE MANUAL PAR LEDs extinguished.
69	At REGISTER SELECT section— Set 2 switch to the down position. Set 1 switch to the up position.	At REGISTER SELECT section— 1 LED lighted. 2 LED extinguished.
70	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— PL and PH LEDs lighted. 0 through 19 and ENABLE MANUAL PAR LEDs extinguished.
71	At REGISTER SELECT section— Set 1 switch to the down position.	At REGISTER SELECT section— 0 LED lighted. 1 LED extinguished.
72	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— PL and PH LEDs lighted. 0 through 19 and ENABLE MANUAL PAR LEDs extinguished.
73	At REGISTER section— Set LOAD and DISPLAY switches to the down position.	
74b	If Test D (which follows) is not performed immediately— At MODE section— Set HALT switch to the down position.	
75b	At STATUS section— Depress MANUAL key.	At STATUS section— MANUAL lamp extinguished.

STEP	ACTION	VERIFICATION
76b	At SYSTEM STATUS AND CONTROL section of SSP— Depress LOCK key.	At SYSTEM STATUS AND CONTROL section of SSP— UNAVAILABLE LED extinguished. OUT OF SERVICE LED lighted. LOCK lamp extinguished. MANUAL FORCE LED extinguished. At FORCE CU ACTIVE section— CU FORCE, CU 0, and CU 1 lamps extinguished. At TTY— System response: REPT CU STAT AVL When main store is updated— At TTY— System response: UPD OMAS COMPL At SYSTEM STATUS AND CONTROL section— OUT OF SERVICE LED extinguished. STANDBY LED lighted.

D. COMPARE Test

2.04 The following procedure is used to test the LED and switches associated with the COMPARE function.

STEP	ACTION	VERIFICATION
1a	If the 3A CC being tested is not in the manual state— Perform Steps 1a and 2 of Test B.	
2a	At STATUS section of 3A CC control panel— Depress MANUAL key.	At STATUS section of 3A CC control panel— MANUAL lamp lighted. At TTY— System response: REPT CU STAT MAN
3a	At MODE section— Set HALT switch to the up position. ***Note:*** All switches except the HALT switch should be in the down position.	
4	At COMPARE section— Set ADR switch to the up position.	
5	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At COMPARE section— ENABLED LED lighted.
6	At COMPARE section— Set ADR switch to the down position.	

STEP	ACTION	VERIFICATION
7	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At COMPARE section— ENABLED LED extinguished.
8	At COMPARE section— Set DATA switch to the up position.	
9	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At COMPARE section— ENABLED LED lighted.
10	At COMPARE section— Set DATA switch to the down position.	
11	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At COMPARE section— ENABLED LED extinguished.
12b	If Test E (which follows) is not performed immediately— At MODE section— Set HALT switch to the down position.	
13b	At STATUS section— Depress MANUAL key.	At STATUS section— MANUAL lamp extinguished.
14b	At SYSTEM STATUS AND CONTROL section of SSP— Depress LOCK key.	At SYSTEM STATUS AND CONTROL section of SSP— UNAVAILABLE LED extinguished. OUT OF SERVICE LED lighted. LOCK lamp extinguished. MANUAL FORCE LED extinguished. At FORCE CU ACTIVE section— CU FORCE, CU 0, and CU 1 lamps extinguished. At TTY— System response: REPT CU STAT AVL When main store is updated— At TTY— System response: UPD OMAS COMPL At SYSTEM STATUS AND CONTROL section— OUT OF SERVICE LED extinguished. STANDBY LED lighted.

E. MEMORY Test

2.05 The following procedure is used to test the switches associated with MEMORY and MODE areas of the 3A CC control panel.

STEP	ACTION	VERIFICATION
1a	If the 3A CC being tested is not in the manual state— Perform Steps 1a and 2 of Test B.	
2a	At STATUS section of 3A CC control panel— Depress MANUAL key.	At STATUS section of 3A CC control panel— MANUAL lamp lighted. At TTY— System response: REPT CU STAT MAN
3a	At MODE section— Set HALT switch to the up position. ***Note:*** All switches except the HALT switch should be in the down position.	
4	At COMMAND section— Momentarily set EXECUTE key to the up position.	
5	At REGISTER section— Set LOAD switch to the up position.	
6	At REGISTER SELECT section— Set SPECIAL/GENERAL, 1, and 2 switches to the up position.	At REGISTER SELECT section— SPECIAL and ST ADRS LEDs lighted.
7	At COMMAND section— Momentarily set EXECUTE switch to the up position.	
8	At REGISTER section— Set LOAD switch to the down position.	
9	At MEMORY section— Set DISPLAY switch to the up position.	
10	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— 9, 10, 12, 15, PL, and PH LEDs lighted (113000 octal). All other LEDs extinguished.
11	At MODE section— Set BASIC/EXTENDED switch to the up position.	
12	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— 9, 10, 12, 15, PL, and PH LEDs remain lighted. All other LEDs remain extinguished.

STEP	ACTION	VERIFICATION
13	At MEMORY section— Set LOW BITS/HIGH BITS switch to the up position.	
14	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— PL and PH LEDs remain lighted. All other LEDs extinguished.
15	At MODE section— Set BASIC/EXTENDED switch to the down position.	
16	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— 9, 10, 12, 15, PL, and PH LEDs lighted (113000 octal). All other LEDs extinguished.
17	At MEMORY section— Set LOW BITS/HIGH BITS switch to the down position. Set INCR ADR switch to the up position.	
18	At COMMAND section— Momentarily set EXECUTE switch to the up position.	
19	At MEMORY section— Set DISPLAY switch to the down position. Set INCR ADR switch to the down position.	
20	At REGISTER section— Set DISPLAY switch to the up position.	
21	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— 0 and PH LEDs lighted. 1 through PL and ENABLE MANUAL PAR LEDs extinguished.
22	At REGISTER section— Set LOAD switch to the up position.	
23	At LOAD AND DISPLAY section— Set 12 switch to the up position.	
24	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— 12 and PL LEDs lighted.
25	At REGISTER section— Set LOAD and DISPLAY switches to the down position.	

STEP	ACTION	VERIFICATION
26	At MEMORY section— Set STORE and DISPLAY switches to the up position.	
27	At LOAD AND DISPLAY section— Set 12 switch to the down position.	
28	At MODE section— Set BASIC/EXTENDED switch to the up position.	
29	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— PL and PH LEDs lighted. 0 through 19 and ENABLE MANUAL PAR LEDs extinguished.
30	At LOAD AND DISPLAY section— Set 0 through 15 switches to the up position.	
31	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— 0 through 15, PL, and PH LEDs lighted. 16 through 19 and ENABLE MANUAL PAR LEDs extinguished.
32	At MEMORY section— Set LOW BITS/HIGH BITS switch to the up position.	
33	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— 0 through 7, PL, and PH LEDs lighted. 8 through 19 and ENABLE MANUAL PAR LEDs extinguished.
34	At LOAD AND DISPLAY section— Set 0 through 15 switches to the down position.	
35	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— PL and PH LEDs lighted. 0 through 19 and ENABLE MANUAL PAR LEDs extinguished.
36	At MODE section— Set BASIC/EXTENDED and HALT switches to the down position.	
37	At MEMORY section— Set LOW BITS/HIGH BITS switch to the down position. Set STORE and DISPLAY switches to to the down position.	

STEP	ACTION	VERIFICATION
38	At REGISTER SELECT section— Set SPECIAL/GENERAL, 1, and 2 switches to the down position.	At REGISTER SELECT section— GENERAL and 0 LEDs lighted.
39b	If Test F (which follows) is not performed immediately— At STATUS section— Depress MANUAL key.	At STATUS section— MANUAL lamp extinguished.
40b	At SYSTEM STATUS AND CONTROL section of SSP— Depress LOCK key.	At SYSTEM STATUS AND CONTROL section of SSP— UNAVAILABLE LED extinguished. OUT OF SERVICE LED lighted. LOCK lamp extinguished. MANUAL FORCE LED extinguished. At FORCE CU ACTIVE section— CU FORCE, CU 0, and CU 1 lamps extinguished. At TTY— System response: REPT CU STAT AVL When main store is updated— At TTY— System response: UPD OMAS COMPL At SYSTEM STATUS AND CONTROL section— OUT OF SERVICE LED extinguished. STANDBY LED lighted.

F. Miscellaneous Test

2.06 The following procedure is used to test the manual parity functions, the REJECT LED, and the STEP function of the 3A CC control panel.

STEP	ACTION	VERIFICATION
1a	If the 3A CC being tested is not in the manual state— Perform Steps 1a and 2 of Test B.	
2a	At STATUS section of 3A CC control panel— Depress MANUAL key. ***Note:*** All switches should be in the down position.	At STATUS section of 3A CC control panel— MANUAL lamp lighted. At TTY— System response: REPT CU STAT MAN
3	At MODE section— Set HALT switch to the up position.	
4	At REGISTER section— Set LOAD and DISPLAY switches to the up position.	

STEP	ACTION	VERIFICATION
5	At LOAD AND DISPLAY section— Set ENABLE MANUAL PAR switch to the up position.	At LOAD AND DISPLAY section— ENABLE MANUAL PAR LED lighted.
6	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— PL and PH LEDs extinguished.
7	At LOAD AND DISPLAY section— Set ENABLE MANUAL PAR switch to the down position.	At LOAD AND DISPLAY section— ENABLE MANUAL PAR LED extinguished.
8	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— PL and PH LEDs lighted.
9	At MEMORY section— Set DISPLAY switch to the up position.	
10	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At COMMAND section— REJECT LED lighted. At LOAD AND DISPLAY section— 0 through PH LEDs lighted.
11	At MEMORY section— Set DISPLAY switch to the down position.	
12	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At COMMAND section— REJECT LED extinguished. At LOAD AND DISPLAY section— 0 through 19 LEDs extinguished. PL and PH LEDs lighted.
13	At REGISTER SELECT section— Set SPECIAL/GENERAL and ~~4 switches~~ Switch 4 to the up position.	At REGISTER SELECT section— SPECIAL and PROG ADRS LEDs lighted.
14	At LOAD AND DISPLAY section— Set 5 switch to the up position.	
15	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— 5 and PH LEDs lighted.
16	At REGISTER SELECT section— Set 1 and 2 switches to the up position. Set 4 switch to the down position.	At REGISTER SELECT section— PROG ADRS LED extinguished. ST ADRS LED lighted.
17	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— 5 and PH LEDs remains lighted.

STEP	ACTION	VERIFICATION
18	At REGISTER section— Set LOAD and DISPLAY switches to the down position.	
19	At MEMORY section— Set DISPLAY and INCR ADR switches to the up position.	
20	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— Data displayed on 0 through 3 LEDs. ***Note:*** This data may be all zeros.
21	At LOAD AND DISPLAY section— Transfer the DATA from 0 through 3 LEDs to 16 through 19 switches. ***Note:*** If 0 LED is lighted; set 16 switch to the up position. Do this for all 4 LEDs.	
22	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— Data displayed on 0 through 15 LEDs.
23	At LOAD AND DISPLAY section— Transfer the DATA from 0 through 15 LEDs to 0 through 15 switches. ***Note:*** If 0 LED is lighted; set 0 switch to the up position. Do this for all 16 LEDs.	
24	At MODE section— Set STEP switch to the up position.	
25	At MEMORY section— Set DISPLAY and INCR ADR switches to the down position.	
26	At COMMAND section— Momentarily set EXECUTE switch to the up position.	At LOAD AND DISPLAY section— LEDs contain the same data as stored by switches. ***Note:*** If 0 switch is up; 0 LED should be lighted. This should be the same for 0 through 19.
27	At LOAD AND DISPLAY section— Set 0 through 19 switches to the down position.	
28	At MODE section— Set STEP and HALT switches to the down position.	

STEP	ACTION	VERIFICATION
29	At REGISTER SELECT section— Set SPECIAL/GENERAL, 1, and 2 switches to the down position.	At REGISTER SELECT section— GENERAL and 0 LEDs lighted.
30	At STATUS section— Depress MANUAL key.	At STATUS section— MANUAL lamp extinguished.
31	At SYSTEM STATUS AND CONTROL section of SSP— Depress LOCK key.	At SYSTEM STATUS AND CONTROL section of SSP— UNAVAILABLE LED extinguished. OUT OF SERVICE LED lighted. LOCK lamp extinguished. MANUAL FORCE LED extinguished. At FORCE CU ACTIVE section— CU FORCE, CU 0, and CU 1 lamps extinguished. At TTY— System response: REPT CU STAT AVL When main store is updated— At TTY— System response: UPD OMAS COMPL At SYSTEM STATUS AND CONTROL section— OUT OF SERVICE LED extinguished. STANDBY LED lighted.

3. SYSTEM STATUS PANEL

A. PANEL POWER Test

3.01 The following procedure is used to test the lamps and LEDs on the system status panel and the alternate bus, circuit power, and lamp power circuitry associated with the system status panel (SSP).

STEP	ACTION	VERIFICATION
	Note: Record lamps and LEDs lighted on SSP.	
1	At PANEL POWER section of SSP— Depress and hold LAMP & PWR TEST key.	At SSP— All lamps and LEDs lighted.
2	At PANEL POWER section— Release LAMP & PWR TEST key.	At SSP— Panel lamps and LEDs extinguished except for those lamps and LEDs lighted before the test was started.
3	At PANEL POWER section— Depress and hold ALT BUS key.	At PANEL POWER section— ALT BUS lamp lighted. At SSP— When a switch occurs, all lamps and LEDs which were not already lighted should momentarily light except the PANEL POWER lamp.

STEP	ACTION	VERIFICATION
		At TTY— System response: REPT ERR SSP
4	At POWER section— Release ALT BUS key. ***Note:*** Record lamps and LEDs lighted on SSP.	At PANEL POWER section— ALT BUS lamp extinguished. At SSP— When a switch occurs, all lamps and LEDs which were not already lighted should momentarily light except the PANEL POWER lamp. At TTY— System response: REPT ERR SSP
5	At PANEL POWER section— Depress CKT POWER key. ***Note:*** Monitor TTY printout for any alarms while CKT POWER lamp is extinguished.	At PANEL POWER section— CKT POWER lamp extinguished. All other lamps and LEDs lighted except LAMP & PWR TEST lamp.
6	At PANEL POWER section— Depress CKT POWER key.	At PANEL POWER section— CKT POWER lamp lighted. Panel lamps and LEDs extinguished except for those lamps and LEDs lighted before Step 5 was performed.
7	At PANEL POWER section— Depress LAMP POWER key.	At SSP— All lamps and LEDs extinguished.
8	At inside SSP— Connect KS-14510 VOM to pin 5 of S2 (LAMP POWER KEY) and ground (see Fig. 6 for pin assignments).	At VOM— Meter indicates between 0.8 and 2.0 volts.
9	At inside SSP— Connect KS-14510 VOM to pin 2 of S2 and ground.	Meter indicates between 8 and 12 volts.
10	Disconnect VOM.	
11	At PANEL POWER section— Depress LAMP POWER key.	At SSP— Panel lamps and LEDs lighted before Step 5 was performed are lighted.

B. CU 0 and CU 1 Status Test

3.02 The following procedure is used to test LEDs associated with CU 0 and CU 1 and the LOCK function.

STEP	ACTION	VERIFICATION
1a	If ACTIVE LED at CU 1 is lighted— At TTY— Type in: SW:CU!	At TTY— System response: OK
2	Ensure that CU 0 is active and CU 1 is standby.	At CU 0 section of SSP— ACTIVE LED lighted. STANDBY, OUT OF SERVICE, and UNAVAILABLE LEDs extinguished. At CU 1 section— STANDBY LED lighted. ACTIVE, OUT OF SERVICE, and UNAVAILABLE LEDs extinguished. At STATUS section of 3A CC 0 control panel— ACTIVE lamp lighted. At STATUS section of 3A CC 1 control panel— NOT ACTIVE lamp lighted.
3	At TTY— Type in: RMV:CU!	At TTY— System response: OK At CU 1 section of SSP— STANDBY LED extinguished. OUT OF SERVICE LED lighted. At STATUS section of 3A CC 1 control panel— NOT ACTIVE lamp remains lighted.
4	At SYSTEM STATUS AND CONTROL section of SSP— Depress LOCK key.	At SYSTEM STATUS AND CONTROL section of SSP— LOCK lamp lighted. MANUAL FORCE LED lighted. At CU 1 section— OUT OF SERVICE LED extinguished. UNAVAILABLE LED lighted. At FORCE CU ACTIVE section— CU FORCE and CU 0 lamps lighted.
5	At SYSTEM STATUS AND CONTROL section— Depress LOCK key.	At SYSTEM STATUS AND CONTROL section— LOCK lamp extinguished. MANUAL FORCE LED extinguished. At CU 1 section— UNAVAILABLE LED extinguished. OUT OF SERVICE LED lighted. At FORCE CU ACTIVE section— CU FORCE and CU 0 lamps extinguished.
6	At TTY— Type in: RST:CU!	At TTY— System response: DGN CU 1 COMPL ATP UPD OMAS COMPL RST CU COMPL At CU 1 section—

STEP	ACTION	VERIFICATION
		OUT OF SERVICE LED extinguished. STANDBY LED lighted.
7	At TTY— Type in: SW:CU!	At TTY— System response: OK At CU 1 section— ACTIVE LED lighted. STANDBY, OUT OF SERVICE, and UNAVAILABLE LEDs extinguished. At CU 0 section— STANDBY LED lighted. ACTIVE, OUT OF SERVICE, and UNAVAILABLE LEDs extinguished. At STATUS section of 3A CC 1 control panel— ACTIVE lamp lighted. At STATUS section of 3A CC 0 control panel— NOT ACTIVE lamp lighted.
8	At TTY— Type in: RMV:CU!	At TTY— System response: OK At CU 0 section of SSP— STANDBY LED extinguished. OUT OF SERVICE LED lighted. At STATUS section of 3A CC 0 control panel— NOT ACTIVE lamp remains lighted.
9	At SYSTEM STATUS AND CONTROL section of SSP— Depress LOCK key.	At SYSTEM STATUS AND CONTROL section of SSP— LOCK lamp lighted. MANUAL FORCE LED lighted. At CU 0 section— OUT OF SERVICE LED extinguished. UNAVAILABLE LED lighted. At FORCE CU ACTIVE section— CU FORCE and CU 1 lamps lighted.
10	At SYSTEM STATUS AND CONTROL section— Depress LOCK key.	At SYSTEM STATUS AND CONTROL section— LOCK lamp extinguished. MANUAL FORCE LED extinguished. At CU 0 section— UNAVAILABLE LED extinguished. OUT OF SERVICE LED lighted. At FORCE CU ACTIVE section— CU FORCE and CU 1 lamps extinguished.
11	At TTY— Type in: RST:CU!	At TTY— System response: DGN CU 0 COMPL ATP UPD OMAS COMPL RST CU COMPL

STEP	ACTION	VERIFICATION
		At CU 0 section— OUT OF SERVICE LED extinguished. STANDBY LED lighted.

C. PANEL TIME-OUT TEST

3.03 The following procedure is used to test the panel time-out function.

STEP	ACTION	VERIFICATION
1	At PANEL POWER section of SSP— Depress CKT POWER key. ***Note:*** Monitor TTY printout for any alarms while CKT POWER lamp is extinguished.	At PANEL POWER section of SSP— CKT POWER lamp extinguished. All other lamps and LEDs lighted except LAMP & PWR TEST lamp.
2	At SSP Controller— Remove FA-1101 circuit pack.	
3	At PANEL POWER section— Depress CKT POWER key.	At PANEL POWER section— CKT POWER lamp lighted. Within 4 seconds— PANEL TIME-OUT lamp lighted. Disregard ALARMS LEDs.
4	At PANEL POWER section— Depress CKT POWER key.	At PANEL POWER section— CKT POWER lamp extinguished. All other lamps and LEDs lighted except LAMP & PWR TEST lamp.
5	At SSP Controller— Replace FA-1101 circuit pack.	
6	At PANEL POWER section— Depress CKT POWER key.	At PANEL POWER section— CKT POWER lamp lighted. At ALARMS section— PANEL TIME-OUT lamp extinguished.

D. MAJOR Alarm Test

3.04 The following procedure is used to test the MAJOR alarm function.

STEP	ACTION	VERIFICATION
	Caution: Do not operate the STAB CALLS, MEM RELOD, REC CHG, BACKDT OFFICE DATA, or INIT EXEC keys on SYSTEM INITIALIZATION section of SSP while the ENAB lamp is lighted.	

STEP	ACTION	VERIFICATION
1	At SYSTEM INITIALIZATION section of SSP— Depress ENAB key.	At SYSTEM INITIALIZATION section of SSP— ENAB lamp lighted. At TTY— System response: REPT ERR SSP KEY 100000 At ALARMS section— MAJOR LED lighted. Major alarm sounds. At ALARMS CONTROL section— ALARM RELEASE lamp lighted.
	Note: Proceed immediately to Step 2.	
2	At SYSTEM INITIALIZATION section— Depress ENAB key.	At SYSTEM INITIALIZATION section— ENAB lamp extinguished.
3	At ALARMS CONTROL section— Depress ALARM RLS key.	At ALARMS CONTROL section— ALARM RLS lamp extinguished. At ALARMS section— MAJOR LED extinguished. Major alarm silenced.

E. MINOR Alarm Test

3.05 The following procedure is used to test the MINOR alarm function.

STEP	ACTION	VERIFICATION
1	Refer to office records using TRUNK ORDER CODE 74500 to obtain the equipment location of the ground cross detecting circuit (SD-2H096).	
2	At ground cross detecting circuit on terminal strip A— Apply ground to terminal 23.	At ALARMS section of SSP— MINOR LED lighted. Minor alarm sounds. At ALARMS CONTROL section— ALARM RLS lamp lighted.
3	Remove ground from terminal 23.	
4	At ALARMS CONTROL section of SSP— Depress ALARM RLS key.	At ALARMS CONTROL section— ALARM RLS lamp extinguished. At ALARMS section— MINOR LED extinguished. MINOR alarm silenced.

F. ALARMS CONTROL Test

3.06 The following procedure is used to test the INH BLDG ALARM key/lamp and the ALARM TRFR and ALARM RLS functions.

STEP	ACTION	VERIFICATION
1	At ALARMS CONTROL section of SSP— Depress INH BLDG ALARM key.	At ALARMS CONTROL section of SSP— INH BLDG ALARM lamp lighted.
2	At ALARMS CONTROL section— Depress INH BLDG ALARM key.	At ALARM CONTROL section— INH BLDG ALARM lamp extinguished.
3	At ALARMS CONTROL section— Depress ALARM TRFR key.	At TTY— System response: REPT ALM TFR ALW At ALARMS CONTROL section— ALARM TRFR lamp lighted. ***Note:*** ALARM TRFR lamp is lighted via program when ALARM TRFR is depressed.
	Caution: Do not operate the STAB CALLS, MEM RELOD, REC CHG, BACKDT OFFICE DATA, or INIT EXEC keys on the SYSTEM INITIALIZATION section of SSP while the ENAB lamp is lighted.	
4	At SYSTEM INITIALIZATION section— Depress ~~ENAB key~~. ENABLE Key	At SYSTEM INITIALIZATION section— ENAB lamp lighted. At TTY— System response: REPT ERR SSP KEY 100000 At ALARMS section— MAJOR LED lighted. Major alarm sounds. At ALARMS CONTROL section— ALARM RLS lamp lighted. ~~After 30 seconds—~~ ~~Major alarm silenced~~.
5	At SYSTEM INITIALIZATION section— Depress ~~ENAB key~~. ENABLE Key	At SYSTEM INITIALIZATION section— ENAB lamp extinguished. after 30 Secs - Major Alarm Silenced
6	At TTY— Type in: M SY:RST:ALM!	At ALARMS CONTROL section— ALARM TRFR lamp extinguished.
7	At ALARMS CONTROL section— Depress ALARM RLS key.	At ALARM CONTROL section— ALARM RLS lamp extinguished. At ALARMS section— MAJOR LED extinguished.

G. Equipment Unit Status Display Test

3.07 The following procedure is used to test the peripheral unit status display LEDs and the MAJOR EQPT LOSS lamp.

STEP	ACTION	VERIFICATION
1	At SYSTEM STATUS AND CONTROL section of SSP— Depress LOCK key.	At SYSTEM STATUS AND CONTROL section of SSP— LOCK lamp lighted. MANUAL FORCE LED lighted. At FORCE CU ACTIVE section— CU FORCE and CU (0 or 1 depending on which CU is active) lamps lighted. At TTY— System response: REPT CU STAT UAV
2	At STATUS section of unavailable 3A CC control panel— Depress MANUAL key.	At STATUS section of unavailable 3A CC control panel— MANUAL lamp lighted. At TTY— System response: REPT CU STAT MAN
3	At STATUS section— Depress POWER key.	At STATUS section— POWER lamp extinguished. At SYSTEM STATUS AND CONTROL section of SSP— MAS LED lighted. MAJOR EQPT LOSS lamp lighted. At TTY— System response: REPT ERR MCH
4	At STATUS section of unavailable 3A CC control panel— Depress POWER key. Depress MANUAL key.	At STATUS section of unavailable 3A CC control panel— POWER lamp lighted. MANUAL lamp extinguished.
5	At SYSTEM STATUS AND CONTROL section of SSP— Depress LOCK key.	At FORCE CU ACTIVE section of SSP— CU FORCE and CU (0 or 1 depending on which CU is active) lamp extinguished. At SYSTEM STATUS AND CONTROL section— LOCK lamp extinguished. At TTY— System response: REPT CU STAT AVL
6	At TTY— Type in: RST:CU!	At SYSTEM STATUS AND CONTROL section— MAS LED extinguished. MAJOR EQPT LOSS lamp extinguished. At STATUS section of 3A CC control panel— NOT ACTIVE lamp lighted.
7	At TTY— Type in: M NW:DGN:00 0-!	At SYSTEM STATUS AND CONTROL section of SSP— NET LED and MAJOR EQPT LOSS lamp lighted while diagnostic is running.

STEP	ACTION	VERIFICATION
8	At TTY— Type in: M LS:DGN:00 0- 0!	At SYSTEM STATUS AND CONTROL section— SCAN LED and MAJOR EQPT LOSS lamp lighted while diagnostic is running.
9a	If office is equipped with AMA— At TTY— Type in: M AM:DGN:fg hi! ***Note:*** Refer to the Input Message Manual (IM-2H200) for explanation of data field. Ensure that DGN is for off-line AMA.	At SYSTEM STATUS AND CONTROL section— AMA LED and MAJOR EQPT LOSS lamp lighted while diagnostic is running.
10	At TTY— Type in: M RT:RMV:00 0-!	At SYSTEM STATUS AND CONTROL section— RT LED and MAJOR EQPT LOSS lamp lighted.
11	At TTY— Type in: M RT:RST:00 0-!	At SYSTEM STATUS AND CONTROL section— RT LED and MAJOR EQPT LOSS lamp extinguished.
12	At TTY— Type in: M RA:RMV:00-!	At SYSTEM STATUS AND CONTROL section— RA LED and MAJOR EQPT LOSS lamp lighted.
13	At TTY— Type in: M RA:RST:00-!	At SYSTEM STATUS AND CONTROL section— RA LED and MAJOR EQPT LOSS lamp extinguished.
14	At TTY— Type in: M DS:DGN:01 0-! or M AD:DGN:00 -! or M AL:DGN:00 0-!	At SYSTEM STATUS AND CONTROL section— MISC LED and MAJOR EQPT LOSS lamp lighted while diagnostic is running.
15	At TTY— Type in: RMV:TTYC 0!	At SYSTEM STATUS AND CONTROL section— TTYC LED lighted.
16	At TTY— Type in: RST:TTYC 0!	At SYSTEM STATUS AND CONTROL section— TTYC LED extinguished.
17	At entry of No. 2B ESS— Open door.	At SYSTEM STATUS AND CONTROL section— BLDG LED lighted. If open door causes major alarm at local office— At ALARMS section— MAJOR LED lighted. Major alarm sounds.

STEP	ACTION	VERIFICATION
		At ALARM CONTROL section— ALARM RLS lamp lighted.
18	At entry of No. 2B ESS— Close door.	At SYSTEM STATUS AND CONTROL section— BLDG LED extinguished.
19b	If open door causes major alarm at local office— At ALARMS CONTROL section— Depress ALARM RLS key.	At ALARMS CONTROL section— ALARM RLS lamp extinguished. At ALARMS section— MAJOR LED extinguished. Major alarm silenced.
20	At TTY— Type in: M SV:RMV:047 000!	At SYSTEM STATUS AND CONTROL section— CKT LIM LED lighted.
21	At TTY— Type in: M SV:RST:047 000!	
22	At TTY— Type in: M SV:SI!	At SYSTEM STATUS AND CONTROL section— CKT LIM LED extinguished.
23	At TTY— Type in: RMV:TAPE 0!	At SYSTEM STATUS AND CONTROL section— TDC LED lighted.
24	At TTY— Type in: RST:TAPE 0!	At SYSTEM STATUS AND CONTROL section— TDC LED extinguished.
25	At TTY— Type in: M PO:CTL:6 1!	At SYSTEM STATUS AND CONTROL section— ATI LED lighted.
26	At TTY— Type in: M PO:CTL:6 0!	At SYSTEM STATUS AND CONTROL section— ATI LED extinguished.

H. TEST CONTROL Test

3.08 The following procedure is used to test the PASS and FAIL lamps and the EXEC key.

STEP	ACTION	VERIFICATION
1	At TTY— Type in: DGN:CU;RPT:3!	At TEST CONTROL section of SSP— PASS and EXEC lamps lighted.
2	At SYSTEM STATUS AND CONTROL section— Depress LOCK key.	At SYSTEM STATUS AND CONTROL section— LOCK lamp lighted.

STEP	ACTION	VERIFICATION
		MANUAL FORCE LED lighted. At FORCE CU ACTIVE section— CU FORCE and CU( ) lamps lighted. At TTY— System response: REPT CU STAT UAV
3	At STATUS section of inactive 3A CC control panel— Depress MANUAL key.	At TTY— System response: REPT CU STAT MAN
4	At STATUS section— Depress and hold RESET CIRCUITS key.	At TEST CONTROL section of SSP— FAIL lamp lighted. PASS lamp extinguished. At TTY— System response: DGN CU( ) STOPPED TST 3
5	At STATUS section of inactive 3A CC control panel— Release RESET CIRCUITS key.	At TEST CONTROL section of SSP— PASS lamp lighted. FAIL lamp extinguished. At TTY— System response: DGN CU 1 COMPL ATP 3
6	At STATUS section of inactive 3A CC control panel— Depress MANUAL key.	
7	At TTY— Type in: CLR:RPT!	At TEST CONTROL section of SSP— PASS and EXEC lamps extinguished. At TTY— System response: DGN CU( ) COMPL ATP 3
8	At SYSTEM STATUS AND CONTROL section of SSP— Depress LOCK key.	At FORCE CU ACTIVE section— CU FORCE and CU( ) lamp extinguished. At SYSTEM STATUS AND CONTROL section— LOCK lamp extinguished. At TTY— System response: REPT CU STAT AVL
9	At TTY— Type in: RST:CU!	At TTY— System response: DGN CU( ) COMPL ATP UPD OMAS COMPL RST CU COMPL

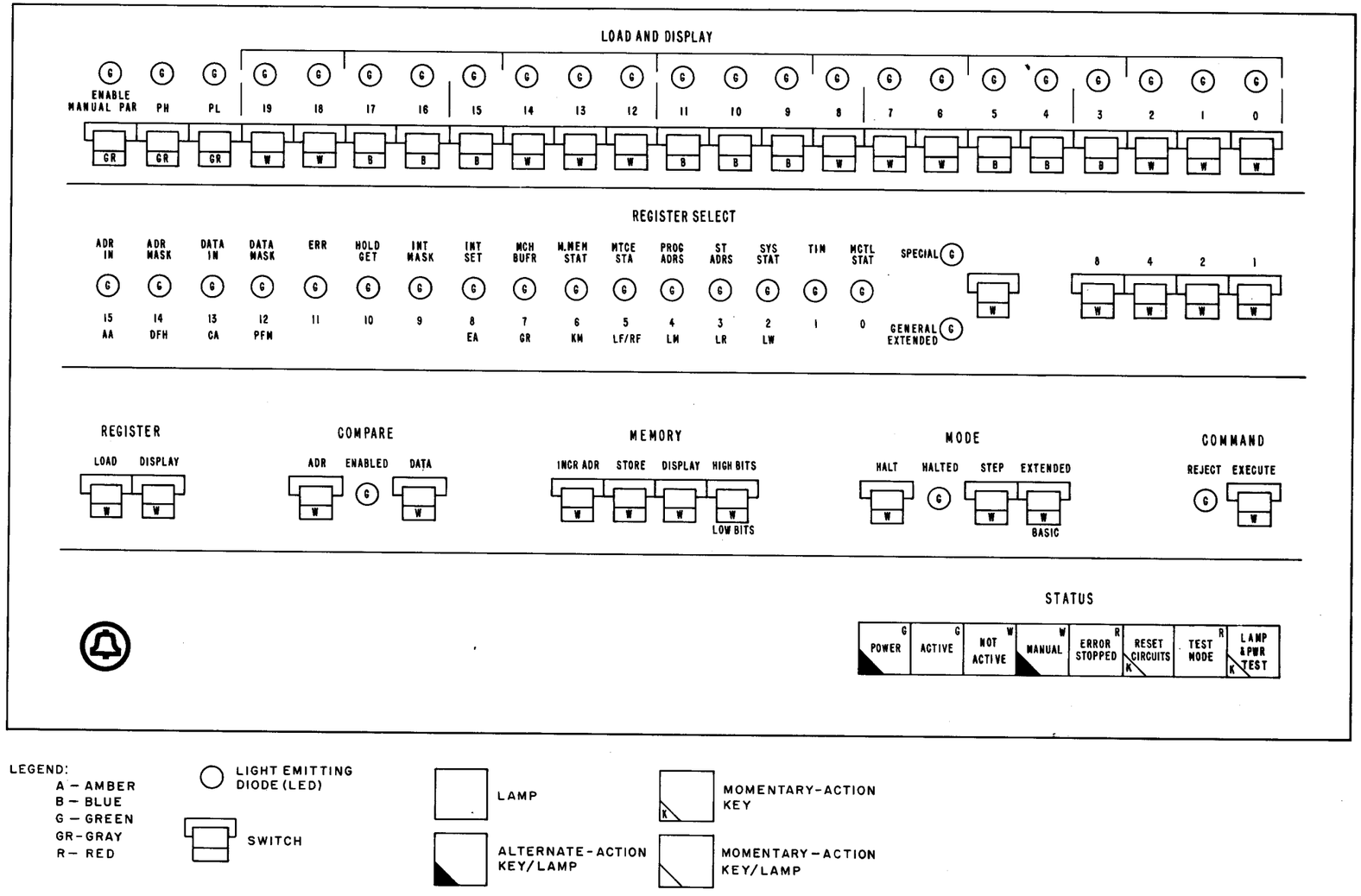

Fig. 3—3A CC Control Panel Keys, Lamps, Switches, and LEDs

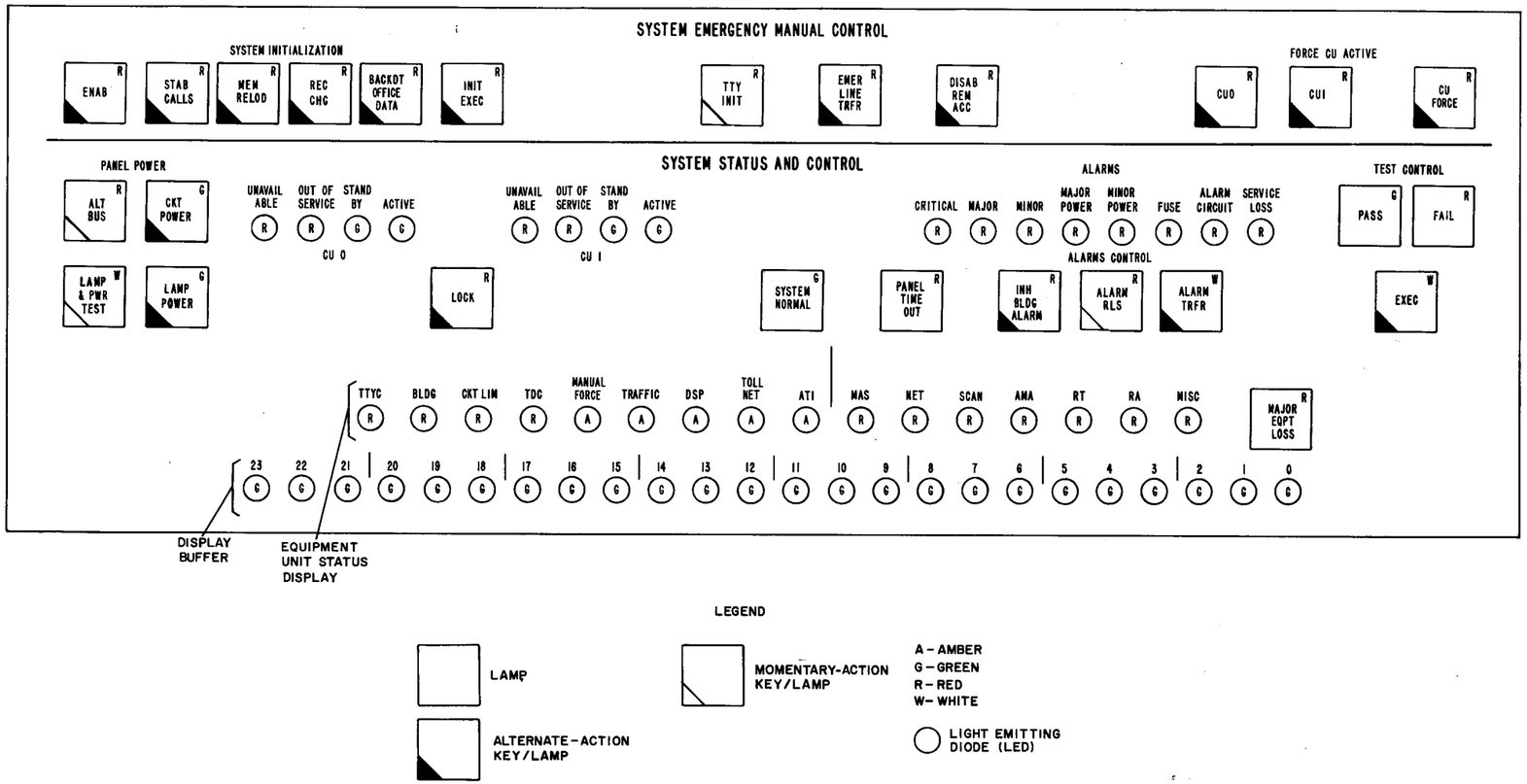

Fig. 4—System Status Panel Keys, Lamps, and LEDs

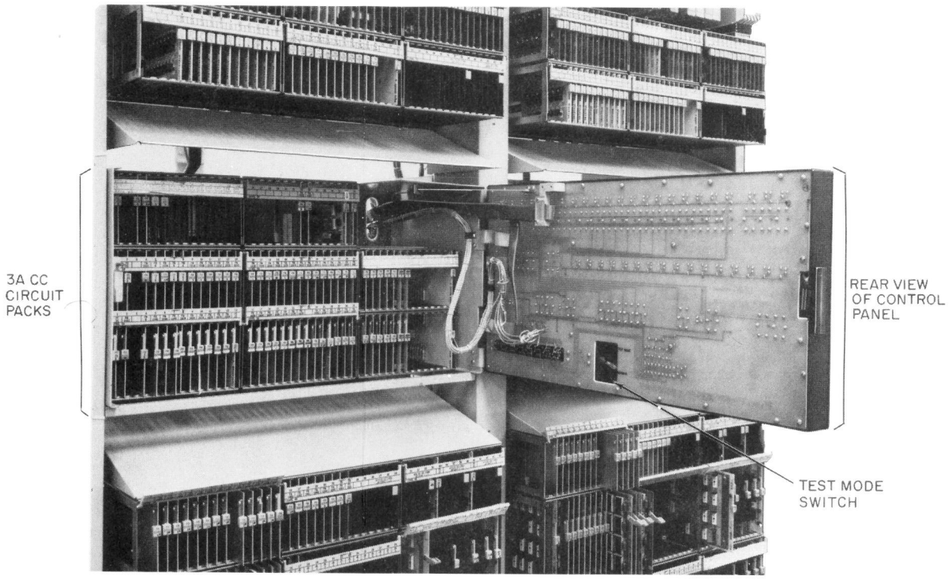

Fig. 5—3A CC Control Panel—Open

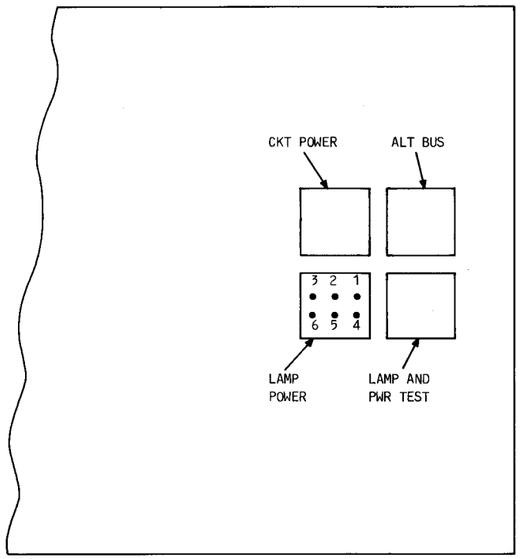

Fig. 6—Part of System Status Panel—Rear View