SYNCHRONOUS "DATASPEED*" 40/4

MAXI-CLUSTER AND MINI-CLUSTER STATION ARRANGEMENTS

MAINTENANCE CONTROLLER ARRANGEMENTS

1. GENERAL

1.01 This section provides the craftsperson with methods and procedures for maintaining C400 controllers using circuit arrangements which are other than those shown in the controller arrangements of the installation Section 582-200-201.

1.02 This section is reissued to specify that the 410525 circuit card can replace the 410513 card.

Note: When ordering replaceable components unless otherwise specfied, prefix each part number with the letters "TP" (ie, TP410400).

1.03 Whenever a C400 controller has been determined by controller self-diagnosis or other testing to contain a defective circuit card, that circuit card should be replaced with a circuit card having the same TP number. If that circuit card is not available, then this section should be used to determine an equivalent controller arrangement (see 3. MAINTENANCE CONTROLLER ARRANGEMENTS) and circuit cards (if available) contained in that arrangement should be used.

Note: Before replacing PROM or EPROM circuit cards, see 4. CIRCUIT CARD COMPATIBILITY in Section 582-200-501, Issue 3 or later.

1.04 The 410400, 410401, 410406 and all 41043N circuit cards do not have equivalent type circuit card substitutions and, must therefore be replaced with circuit cards having the same TP numbers.

2. CIRCUIT CARD SUBSTITUTIONS

2.01 This paragraph describes which circuit cards can be substituted for those circuit cards which are found to be defective but are not readily available.

2.02 A 410411 circuit card combines the features of the 410409, 410408 and 410403 circuit cards and may be substituted for these circuit cards when they are found to be defective. If a 410411 circuit card is used in a SCC which features the 410804 PROM circuit card or MCC which features the 410808 PROM circuit card, PROMs 450013, 450014, 450015 and 450016 contained on each of these circuit cards must be Issue 3 or later in order to perform a proper controller self-diagnostic test.

2.03 The 410409 (or 410408) and 410403 circuit cards may be substituted for the 410411 circuit card in a "PROM version" controller. Substitution of the 410411 circuit card with 410409 (or 410408) and 410403 circuit cards in a "EPROM version" controller will result in an identical self-test trouble and continue pattern and therefore is not recommended.

2.04 EPROM (4105NN series) circuit cards may be substituted for PROM (4108NN and 4109NN series) circuit cards, however, if present in the defective controller, 410409 (or 410408) and 410403 circuit cards must also be replaced by the 410411 circuit card because of the condition described in 2.03.

Caution : Since EPROM (4105NN series) circuit cards offer additional features, they should never be replaced by PROM (4108NN and 4109NN series) circuit cards.

2.05   Since EPROM (4105NN series) circuit cards contain the features of the following modification kits (which may be part of the PROM (4108NN and 4109NN) series circuit cards), no special considerations will be necessary when replacing PROM circuit cards (containing the following modification kits) with EPROM circuit cards.

Modification Kits*	Controller Affected	Circuit Card(s) Affected
408788	MCC	410909
408789	MCC	410409 and 410910
408796	SCC	410804 and 410905
408804	MCC	410909 and 410910
408798	SCC	410804 and 410905
408800	MCC	410909 and 410910

*These modification kits only improve system operation.

2.06   All RAM (41046N series) circuit cards are directly interchangeable. The 410461 and 410465 circuit cards are 4K RAM while the 410464 circuit card is an 8K RAM. The 8K RAM (410464) circuit cards should only be used to replace 2-4K RAM circuit cards, however, an 8K RAM may be used to replace 1-4K RAM when the 4K RAM (410641 or 410465) circuit cards are not available. If an 8K RAM circuit card is used to replace a 4K RAM in a controller that contains 2-4K RAM circuit cards, the second 4K RAM should be removed. The use of only 1-4K RAM in a DCC or MCC that employs EPROM circuit cards will result in an identical trouble and continue pattern and no video display patterns during self-test and therefore, 2-4K RAM or 1-8K RAM should always be used in this type of arrangement.

2.07   The following table summarizes the preceding paragraph 2. CIRCUIT CARD SUBSTITUTIONS.

Controller(s) Affected	Circuit Card(s) to be Replaced	Circuit Card Replacement(s)	Comment
SCC or MCC	410409 (or 410408) and 410403	410411	If present, 410804 or 410808 must contain Issue 3 or later of the following PROMS: 450013, 450014, 450015 and 450016.
SCC or MCC	410411	410409 (or 410408) and 410403	Replacement applies only if PROM (4108NN and 4109NN series) cards are part of controller. (See Note 3.)
SCC	410804 and 410905	410508	(See Note 1.)
DCC With Typewriter Style Opcon	410809 and 410911	410509	(See Note 2.)
DCC With Internal Numeric Cluster Opcon	410810 and 410907	410510	(See Note 2.)
MCC With Typewriter Style Opcon	410808, 410909 and 410910	410512 and 410513 (or 410525)	(See Notes 1 and 2.)
MCC With Internal Numeric Cluster Opcon	410812, 410914 and 410915	410514 and 410515	(See Notes 1 and 2.)
SCC, DCC or MCC	1-410461	410465 or 410464	Use 410464 only if 410465 is not available.
DCC or MCC	2-410461	2-410465 or 1-410461 and 1-410465 or 1-410464	
SCC, DCC or MCC	1-410465	410461 or 410464	Use 410464 only if 410461 is not available.
DCC or MCC	2-410465	2-410461 or 1-410465 and 1-410461 or 1-410464	
DCC or MCC	410464	2-410461 or 2-410465 or 1-410461 and 1-410465	

Note 1:   If present, the 410409 (or 410408) and 410403 circuit cards must be replaced with the 410411 circuit card.

Note 2:   If only 1-4K RAM (410461 or 410465) circuit card is in controller, an additional 4K RAM must be added or; remove the 4K RAM and install an 8K RAM (410464) circuit card.

3. MAINTENANCE CONTROLLER
ARRANGEMENTS

3.01 This paragraph includes tables of all the
Maintenance Controller Arrangements
including those which are of the standard type
shown in the installation Section 582-200-201
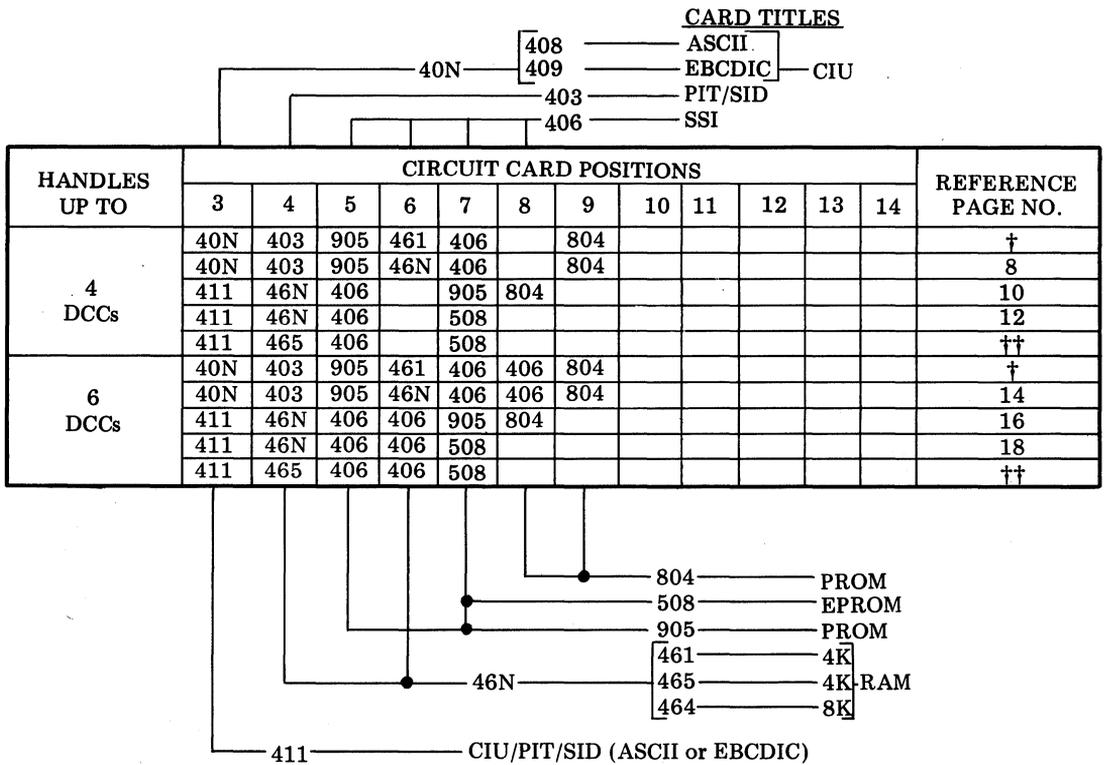and those which are of the maintenance type
shown in this document.

3.02 Finding a Maintenance Controller Ar-
rangement equivalent to the arrangement
being worked on can be found by:

(a) Find the type of controller: SCC, DCC or
MCC. (Each type includes its own table.)

(b) If SCC type, find number of DDCs handled.
If DCC or MCC type, find number of
devices handled.

Example: A DCC which handles 1-KD and
1-PTR has a defective 410911 circuit card and
no spare is available. By observing the table in
2. CIRCUIT CARD SUBSTITUTIONS it is
noted that a 410509 circuit card (which is
available) can be substituted for the 410911
and 410809 circuit cards. Scanning downward
in the table, we find under "HANDLES" 1-KD
and 1-PTR, an arrangement which does include
a 4105NN circuit card. This arrangement
should then be used. Note also that in this
arrangement, a 4K RAM must be added to the
controller to avoid an identical trouble and
continue pattern.

3.03   Station Cluster Controller (SCC) Arrangements — 40C401*

CARD TITLES

```
                                    ┌ 408 ──────── ASCII ┐
                        40N ────────┤ 409 ──────── EBCDIC ├─ CIU
                                      403 ──────── PIT/SID
                                      406 ──────── SSI
```

HANDLES UP TO	CIRCUIT CARD POSITIONS												REFERENCE PAGE NO.
	3	4	5	6	7	8	9	10	11	12	13	14	
4 DCCs	40N	403	905	461	406		804						†
	40N	403	905	46N	406		804						8
	411	46N	406		905	804							10
	411	46N	406		508								12
	411	465	406		508								††
6 DCCs	40N	403	905	461	406	406	804						†
	40N	403	905	46N	406	406	804						14
	411	46N	406	406	905	804							16
	411	46N	406	406	508								18
	411	465	406	406	508								††

```
                                    804 ──────── PROM
                                    508 ──────── EPROM
                                    905 ──────── PROM
                                  ┌ 461 ──────── 4K ┐
                    46N ──────────┤ 465 ──────── 4K ├ RAM
                                  └ 464 ──────── 8K ┘

        411 ──────────── CIU/PIT/SID (ASCII or EBCDIC)
```
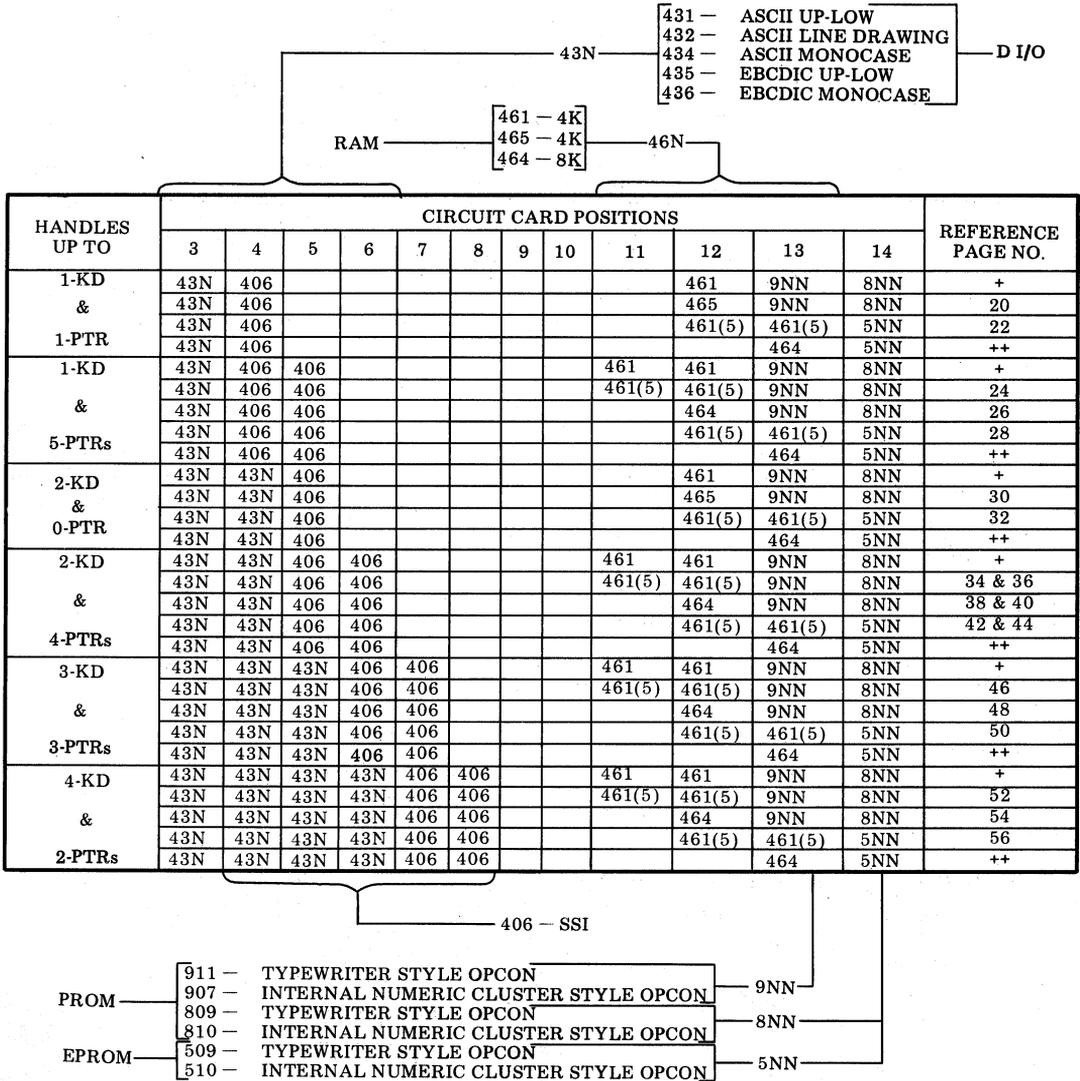
* — 410400 and 410401 circuit cards are in position 1 and 2.
      All circuit card numbers are preceded by 410.
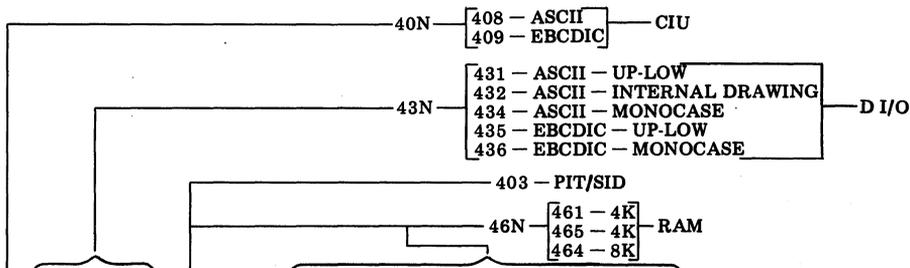† — Standard PROM version — see Installation Section 582-200-201.
†† — Standard EPROM version — see Installation Section 582-200-201.

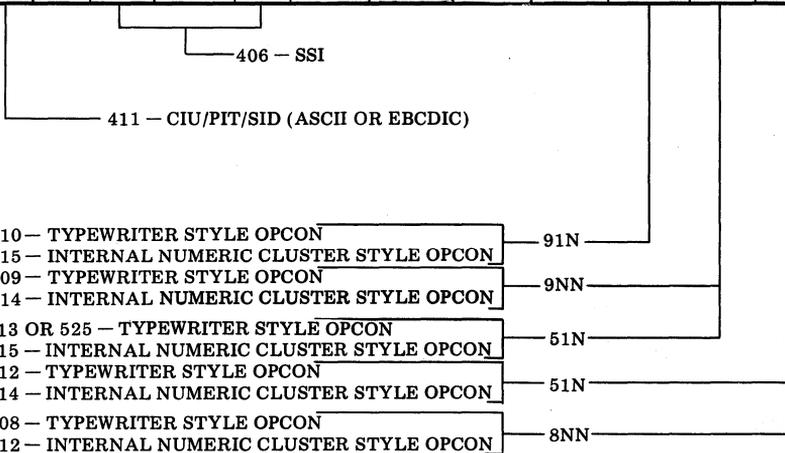3.04   Device Cluster Controller (DCC) Arrangements — 40C402*

```
                                           ┌431 —  ASCII UP-LOW
                                           │432 —  ASCII LINE DRAWING
                              43N ─────────┤434 —  ASCII MONOCASE      ├─ D I/O
                                           │435 —  EBCDIC UP-LOW
                                           └436 —  EBCDIC MONOCASE

                              ┌461 — 4K┐
                    RAM ──────│465 — 4K│── 46N
                              └464 — 8K┘
```

HANDLES UP TO	CIRCUIT CARD POSITIONS												REFERENCE PAGE NO.
	3	4	5	6	7	8	9	10	11	12	13	14	
1-KD	43N	406								461	9NN	8NN	+
&	43N	406								465	9NN	8NN	20
1-PTR	43N	406								461(5)	461(5)	5NN	22
	43N	406									464	5NN	++
1-KD	43N	406	406						461	461	9NN	8NN	+
	43N	406	406						461(5)	461(5)	9NN	8NN	24
&	43N	406	406							464	9NN	8NN	26
5-PTRs	43N	406	406							461(5)	461(5)	5NN	28
	43N	406	406								464	5NN	++
2-KD	43N	43N	406							461	9NN	8NN	+
&	43N	43N	406							465	9NN	8NN	30
0-PTR	43N	43N	406							461(5)	461(5)	5NN	32
	43N	43N	406								464	5NN	++
2-KD	43N	43N	406	406					461	461	9NN	8NN	+
	43N	43N	406	406					461(5)	461(5)	9NN	8NN	34 & 36
&	43N	43N	406	406						464	9NN	8NN	38 & 40
4-PTRs	43N	43N	406	406						461(5)	461(5)	5NN	42 & 44
	43N	43N	406	406							464	5NN	++
3-KD	43N	43N	43N	406	406				461	461	9NN	8NN	+
	43N	43N	43N	406	406				461(5)	461(5)	9NN	8NN	46
&	43N	43N	43N	406	406					464	9NN	8NN	48
3-PTRs	43N	43N	43N	406	406					461(5)	461(5)	5NN	50
	43N	43N	43N	406	406						464	5NN	++
4-KD	43N	43N	43N	43N	406	406			461	461	9NN	8NN	+
	43N	43N	43N	43N	406	406			461(5)	461(5)	9NN	8NN	52
&	43N	43N	43N	43N	406	406				464	9NN	8NN	54
2-PTRs	43N	43N	43N	43N	406	406				461(5)	461(5)	5NN	56
	43N	43N	43N	43N	406	406					464	5NN	++

```
                              ──── 406 — SSI

                      ┌911 —  TYPEWRITER STYLE OPCON
        PROM ─────────┤907 —  INTERNAL NUMERIC CLUSTER STYLE OPCON ── 9NN
                      │809 —  TYPEWRITER STYLE OPCON
                      └810 —  INTERNAL NUMERIC CLUSTER STYLE OPCON ── 8NN
                      ┌509 —  TYPEWRITER STYLE OPCON
        EPROM ────────┤510 —  INTERNAL NUMERIC CLUSTER STYLE OPCON ── 5NN
```
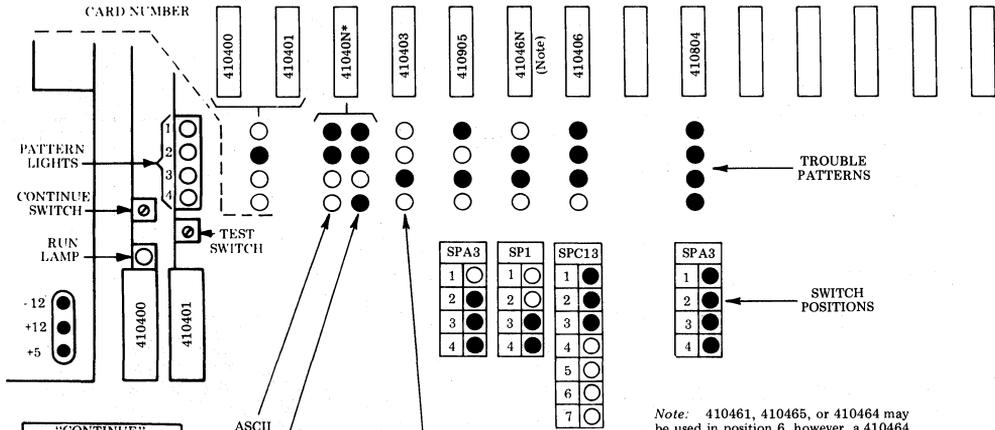
 *   — 410400 and 410401 circuit cards are in position 1 and 2.
      All circuit card numbers are preceded by 410.
 +   — Standard PROM version — see Installation Section 582-200-201.
 ++ — Standard EPROM version — see Installation Section 582-200-201.

3.05 Mini-Cluster Controller (MCC) Arrangements — 40C403*

```
40N ─┬ 408 — ASCII        ┐
     └ 409 — EBCDIC       ┘── CIU

43N ─┬ 431 — ASCII — UP-LOW             ┐
     ├ 432 — ASCII — INTERNAL DRAWING   │
     ├ 434 — ASCII — MONOCASE           ├── D I/O
     ├ 435 — EBCDIC — UP-LOW            │
     └ 436 — EBCDIC — MONOCASE          ┘

403 — PIT/SID

46N ─┬ 461 — 4K ┐
     ├ 465 — 4K ├── RAM
     └ 464 — 8K ┘
```

HANDLES UP TO	CIRCUIT CARD POSITIONS												REFERENCE PAGE NO.
	3	4	5	6	7	8	9	10	11	12	13	14	
1-KD & 1-PTR	40N	43N	406	403					461	91N	9NN	8NN	+
	40N	43N	406	403					465	91N	9NN	8NN	58
	411	43N	406				461(5)	251A1**		91N	9NN	8NN	60
1-KD & 2-PTR	40N	43N	406	403				461	461	91N	9NN	8NN	+
	40N	43N	406	403				461(5)	461(5)	91N	9NN	8NN	62
	40N	43N	406	403					464	91N	9NN	8NN	64
	411	43N	406			461(5)	461(5)			91N	8NN	8NN	66
	411	43N	406				464			91N	9NN	8NN	68
	411	43N	406				461(5)			461(5)	51N	51N	70
	411	43N	406				464				51N	51N	++
2-KD & 1-PTR	40N	43N	43N	403	406			461	461	91N	9NN	8NN	+
	40N	43N	43N	403	406			461(5)	461(5)	91N	9NN	8NN	72
	40N	43N	43N	403	406				464	91N	9NN	8NN	74
	411	43N	43N	461(5)	406		461(5)			91N	9NN	8NN	76
	411	43N	43N	464	406					91N	9NN	8NN	78
	411	43N	43N	461(5)	406					461(5)	51N	51N	80
	411	43N	43N	464	406						51N	51N	++

```
406 — SSI

411 — CIU/PIT/SID (ASCII OR EBCDIC)
```

```
PROM ─┬ 910 — TYPEWRITER STYLE OPCON                    ┐── 91N
      ├ 915 — INTERNAL NUMERIC CLUSTER STYLE OPCON      ┘
      ├ 909 — TYPEWRITER STYLE OPCON                    ┐── 9NN
      └ 914 — INTERNAL NUMERIC CLUSTER STYLE OPCON      ┘

EPROM ─┬ 513 OR 525 — TYPEWRITER STYLE OPCON            ┐── 51N
       ├ 515 — INTERNAL NUMERIC CLUSTER STYLE OPCON     ┘
       ├ 512 — TYPEWRITER STYLE OPCON                   ┐── 51N
       └ 514 — INTERNAL NUMERIC CLUSTER STYLE OPCON     ┘

PROM ─┬ 808 — TYPEWRITER STYLE OPCON                    ┐── 8NN
      └ 812 — INTERNAL NUMERIC CLUSTER STYLE OPCON      ┘
```

* — 410400 and 410401 circuit cards are in position 1 and 2.
  All circuit card numbers are preceeded by 410.
+ — Standard PROM version — see Installation Section 582-200-201.
++ — Standard EPROM version — see Installation Section 582-200-201.

SCC — Controller Arrangement Form
LINE CODE: ASCII ☐ EBCDIC ☐
USOC: 4TT
HANDLES: Up To 4-DCCs

PATTERN LIGHTS OR SWITCH POSITIONS   O "OFF"   ● "ON"

CARD POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14

CARD NUMBER

Cards: 410400, 410401, 41040N*, 410403, 410905, 41046N (Note), 410406, 410804

PATTERN LIGHTS
CONTINUE SWITCH
RUN LAMP
TEST SWITCH
TROUBLE PATTERNS
SWITCH POSITIONS

-12 +12 +5

410400   410401

SPA3 SP1 SPC13 SPA3

SPA3		SP1		SPC13		SPA3	
1	O	1	O	1	●	1	●
2	●	2	O	2	●	2	●
3	●	3	O	3	●	3	●
4	●	4	●	4	O	4	●
				5	O		
				6	O		
				7	O		

ASCII
EBCDIC

Note: 410461, 410465, or 410464 may be used in position 6, however, a 410464 should be used if 410461 or 410465 are not available.

"CONTINUE" LIGHT PATTERNS

#	ASCII		EBCDIC	
1	●	O	●	O
2	●	O	●	O
3	O	O	O	●
4	●	●	O	●

CIU TP41040N*

SPA5		SPB13		SPB15		SPD20	
1	O	1	●	1	O	1	●
2	●	2	●	2	O	2	O
3	●	3	●	3	●	3	O
4	●	4	●	4	●	4	O
5	O	5	●	5	O	5	O
6	●			6	O	6	O
7	●			7	O		
8	●						

PIT/SID TP410403

SWITCH NUMBER	SWITCH PACK LOCATION								
	C11	A17	A15	A13	B13	B15	B17	C17	C15
1	O				O	O	O		O
2	O				O	O	O		O
3	●				O	O	O		O
4	●				O	O	O		O
5	X			O	O	O	O		O
6	X			O	O	O	O		O
7	X			O	O	O	O	●	O
8	X			O	O	O	O		O

GRAPHIC DESIGNATIONS
OPTION — STATION POLL ADDRESS
401   STATION SELECT ADDRESS

*ASCII — 410408
 EBCDIC — 410409

See adjacent page for Connections and Terminal IDs.

OPTIONS -- TP410403

402			SPC17 - 1
a	☐	CONTINUOUS ALARM	●
b	☐	1 SECOND ALARM	O

403			SPC17 - 2 - 3
a	☐	INTENSIFIED ONLY	O O
b	☐	BLINK ONLY	● O
c	☐	INTENSIFIED & BLINK	O ●

406			SPC17 - 4
a	☐	ALPHA IN NUMERIC FIELD	●
b	☐	ALPHA NOT IN NUMERIC FIELD	O

404			SPC17 - 5
a	☐	TERMINATE W/ETX	O
b	☐	TERMINATE W/SUB ENQ.	O

408			SPC17 - 6
a	☐	ASCII	
b	☐	EBCDIC	O

407 (Num Lock S.F.)			SPC17 - 8
a	☐	ENABLED	
b	☐	DISABLED	O

PER STATION WORKSHEET, HIGHEST DCC CONNECTED TO SCC IS

	A	B	C	D
SPA13-1	●	O	O	O
SPA13-2	O	●	O	O
SPA13-3	O	O	●	O
SPA13-4	O	O	O	●

SCC — Controller Arrangement Form
HANDLES: Up To 4-DCCs

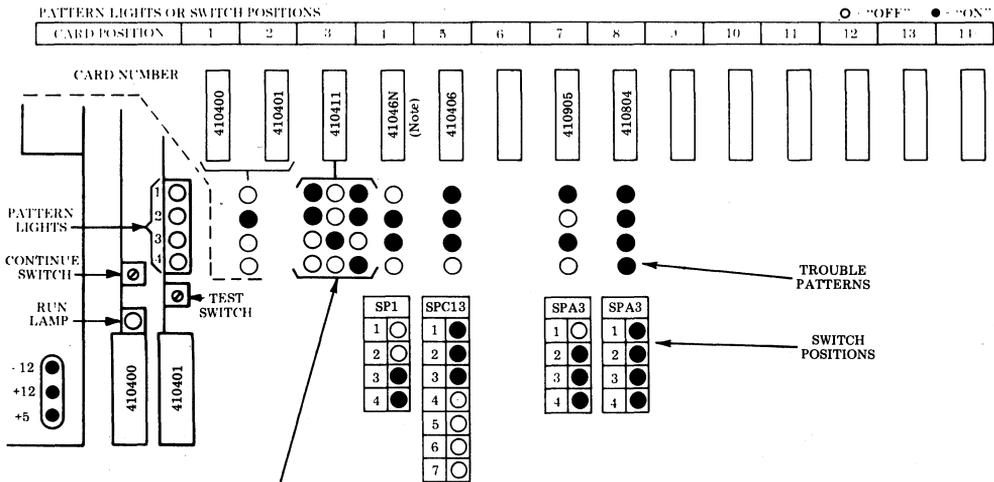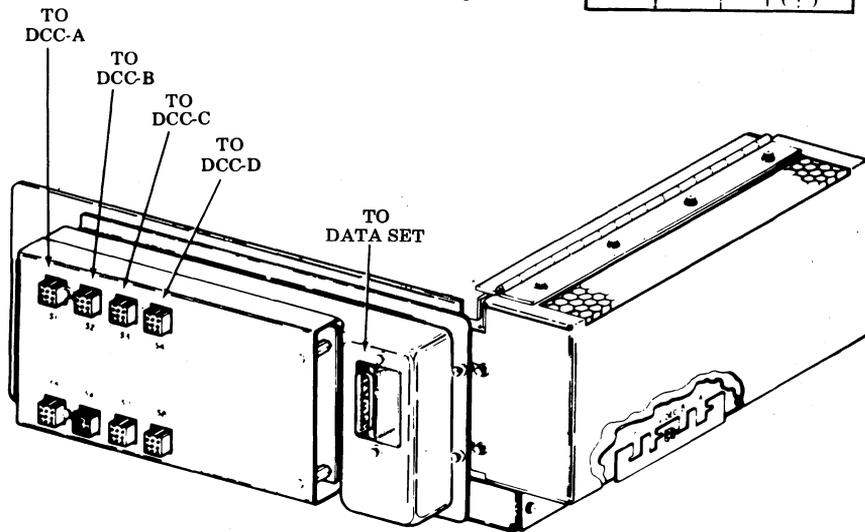| CARD POSITION	I/O SOCKET	STATION WORK SHEET	DEVICE ADDRESS *
7	S1	DCC-A	SP A B C D E
7	S2	DCC-B	F G H I [●
7	S3	DCC-C	< (+ ! & J
7	S4	DCC-D	K L M N O P
3	DS	DATA SET	
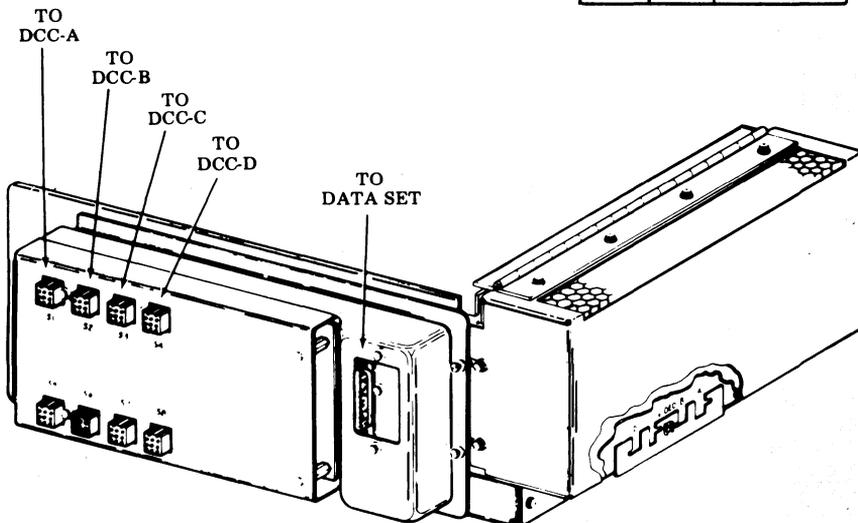
*ASCII and EBCDIC graphics
are the same, except for

ASCII	EBCDIC
[	¢ (⌐) **
]		(!)

TO
DCC-A

TO
DCC-B

TO
DCC-C

TO
DCC-D

TO
DATA SET

**Characters in parentheses are displayed as the device
addresses in local test when using EBCDIC line code.

SCC — Controller Arrangement Form
LINE CODE: ASCII   EBCDIC ☐
USOC: 4TT
HANDLES: Up To 4-DCCs

PATTERN LIGHTS OR SWITCH POSITIONS   O - "OFF"   ● - "ON"

CARD POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14

CARD NUMBER

Card numbers: 410400, 410401, 410411, 41046N (Note), 410406, 410905, 410804

PATTERN LIGHTS
CONTINUE SWITCH
RUN LAMP
TEST SWITCH

-12 +12 +5

410400 410401

TROUBLE PATTERNS

SWITCH POSITIONS

SP1 SPC13   SPA3 SPA3

CIU/PIT/SID			TP410411							
SWITCH NUMBER	SWITCH PACK LOCATION									
	A21	B12	B1	B2	B3	B4	B5	B6	B7	B8
1	O	●			O	O	O			O
2	●	●			O	O	O			O
3	●	●			O	O	O			O
4	●	O			O	O	O			O
5	●	O		O	O	O	O			O
6	O	●		O	O	O	O			O
7	O	O		O	O	O	O	●		O
8	O	●		O	O	O	O			O
9	O									

Note: 410461, 410465 or 410464 may be used in position 4, however, 410464 should only be used if 410461 or 410465 are not available.

"CONTINUE" LIGHT PATTERNS

#	
1	O
2	O
3	O
4	●

PER STATION WORKSHEET, HIGHEST DCC CONNECTED TO SCC IS				
	A	B	C	D
SPB3-1	●	O	O	O
SPB3-2	O	●	O	O
SPB3-3	O	O	●	O
SPB3-4	O	O	O	●

GRAPHIC DESIGNATIONS

OPTION   STATION POLL ADDRESS
401   STATION SELECT ADDRESS

Caution: PROM's 450013, 450014, 450015 and 450016 on 410804 must be issue 3 or later.

See adjacent page for Connections and terminal IDs.

OPTIONS 410411				
402		SPB7-1	404	SPB7-5
a ☐ CONTINUOUS ALARM		●	a ☐ TERMINATE W/ETX	O
b ☐ 1 SECOND ALARM		O	b ☐ TERMINATE W/SUB ENQ.	●
403		SPB7-2 - 3	408	SPB7-6
a ☐ INTENSIFIED ONLY		O O	a ☐ ASCII	●
b ☐ BLINK ONLY		● O	b ☐ EBCDIC	O
c ☐ INTENSIFIED & BLINK		O ●	407 (Num Lock S.F.)	SPB7-8
406		SPB7-4	a ☐ ENABLED	●
a ☐ ALPHA IN NUMERIC FIELD		●	b ☐ DISABLED	O
b ☐ ALPHA NOT IN NUMERIC FIELD		O		

SCC -- Controller Arrangement Form
HANDLES: Up To 4-DCCs

CARD POSITION	I/O SOCKET	STATION WORK SHEET	DEVICE ADDRESS *
5	S1	DCC-A	SP A B C D E
5	S2	DCC-B	F G H I [●
5	S3	DCC-C	< (+ ! & J
5	S4	DCC-D	K L M N O P
3	DS	DATA SET	

*ASCII and EBCDIC graphics are the same, except for

ASCII	EBCDIC
[	¢ (¬) **
!	I (!)

TO DCC-A

TO DCC-B

TO DCC-C

TO DCC-D

TO DATA SET

**Characters in parentheses are displayed as the device addresses in local test when using EBCDIC line code.

SCC — Controller Arrangement Form
LINE CODE: ASCII   EBCDIC☐
USOC: 4TT
HANDLES: Up To 4-DCCs

PATTERN LIGHTS OR SWITCH POSITIONS   Ο = "OFF"   ● = "ON"

CARD POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14

CARD NUMBER

410400 410401 410411 41046N-(Note) 410406 410508

PATTERN LIGHTS
CONTINUE SWITCH
RUN LAMP
TEST SWITCH

-12 +12 +5

410400 410401

TROUBLE PATTERNS

SWITCH POSITIONS

SP1   SPC13   SPA1

Note: 410461, 410465 or 410464 may be used in position 4, however, 410464 should only be used when 410461 or 410465 are not available.

"CONTINUE" LIGHT PATTERNS	
#	
1	Ο
2	●
3	●
4	Ο

	CIU/PIT/SID				TP410411					
SWITCH NUMBER	SWITCH PACK LOCATION									
	A21	B12	B1	B2	B3	B4	B5	B6	B7	B8
1	Ο	●				Ο	Ο	Ο		Ο
2	●	●				Ο	Ο	Ο		Ο
3	●	●				Ο	Ο	Ο		Ο
4	●	Ο				Ο	Ο	Ο		Ο
5	●	Ο		Ο	Ο	Ο	Ο	Ο		Ο
6	Ο	●		Ο	Ο	Ο	Ο	Ο		Ο
7	Ο	●		Ο	Ο	Ο	Ο	●	Ο	Ο
8	Ο	●		Ο	Ο	Ο	Ο	Ο		Ο
9	Ο									

OPTIONS — 410411		
402		SPB7-1
a ☐ CONTINUOUS ALARM		●
b ☐ 1 SECOND ALARM		Ο
403		SPB7-2 -3
a ☐ INTENSIFIED ONLY		Ο Ο
b ☐ BLINK ONLY		● Ο
c ☐ INTENSIFIED & BLINK		Ο ●
406		
a ☐ ALPHA IN NUMERIC FIELD		●
b ☐ ALPHA NOT IN NUMERIC FIELD		Ο
404		SPB7-5
a ☐ TERMINATE W/ETX		Ο
b ☐ TERMINATE W/SUB ENQ.		Ο
408		SPB7-6
a ☐ ASCII		
b ☐ EBCDIC		
407 (Num Lock S.F.)		SPB7-8
a ☐ ENABLED		●
b ☐ DISABLED		Ο

GRAPHIC DESIGNATIONS

OPTION   STATION POLL ADDRESS
401   STATION SELECT ADDRESS

See adjacent page for Connections and terminal IDs.

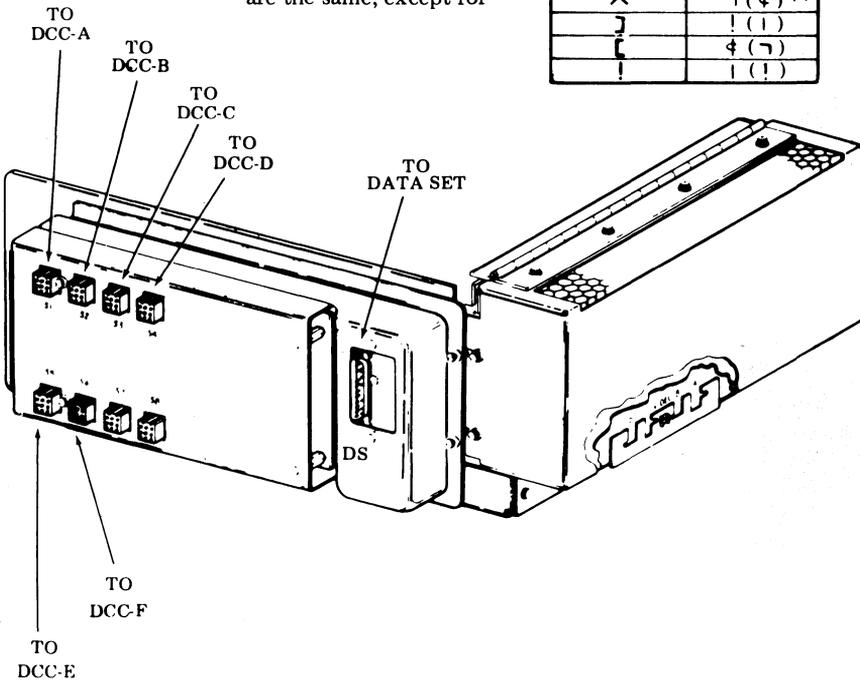| PER STATION WORKSHEET, HIGHEST DCC CONNECTED TO SCC IS				
	A	B	C	D
SPB3-1	●	Ο	Ο	Ο
SPB3-2	Ο	●	Ο	Ο
SPB3-3	Ο	Ο	●	Ο
SPB3-4	Ο	Ο	Ο	●

SCC — Controller Arrangement Form
HANDLES: Up To 4-DCCs

CARD POSITION	I/O SOCKET	STATION WORK SHEET	DEVICE ADDRESS *
5	S1	DCC-A	SP A B C D E
5	S2	DCC-B	F G H I [●
5	S3	DCC-C	< (+ ! & J
5	S4	DCC-D	K L M N O P
3	DS	DATA SET	

*ASCII and EBCDIC graphics
are the same, except for

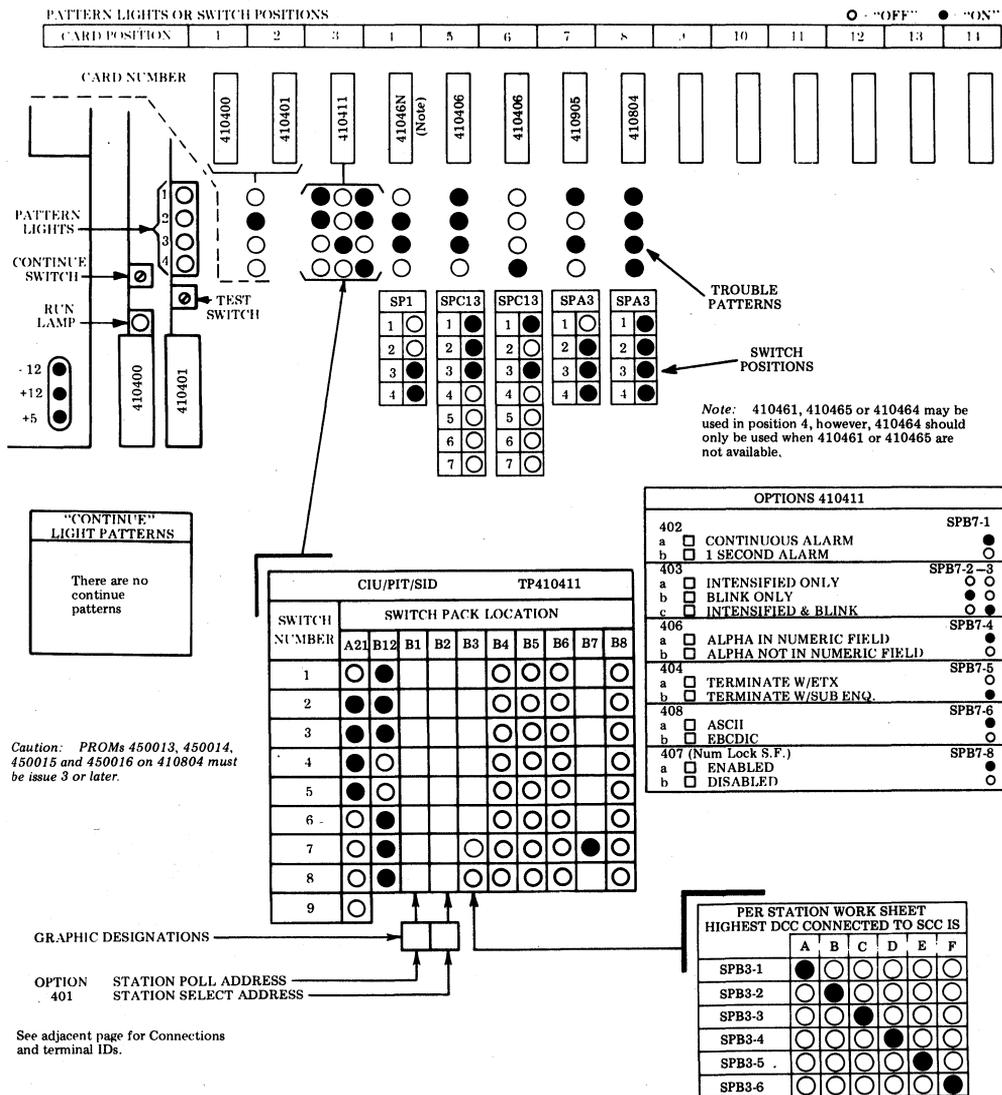| ASCII	EBCDIC
[	¢ (¬) **
!	¦ (!)

TO
DCC-A

TO
DCC-B

TO
DCC-C

TO
DCC-D

TO
DATA SET

**Characters in parentheses are displayed as the device
addresses in local test when using EBCDIC line code.

SCC — Controller Arrangement Form
LINE CODE: ASCII ☐ EBCDIC ☐
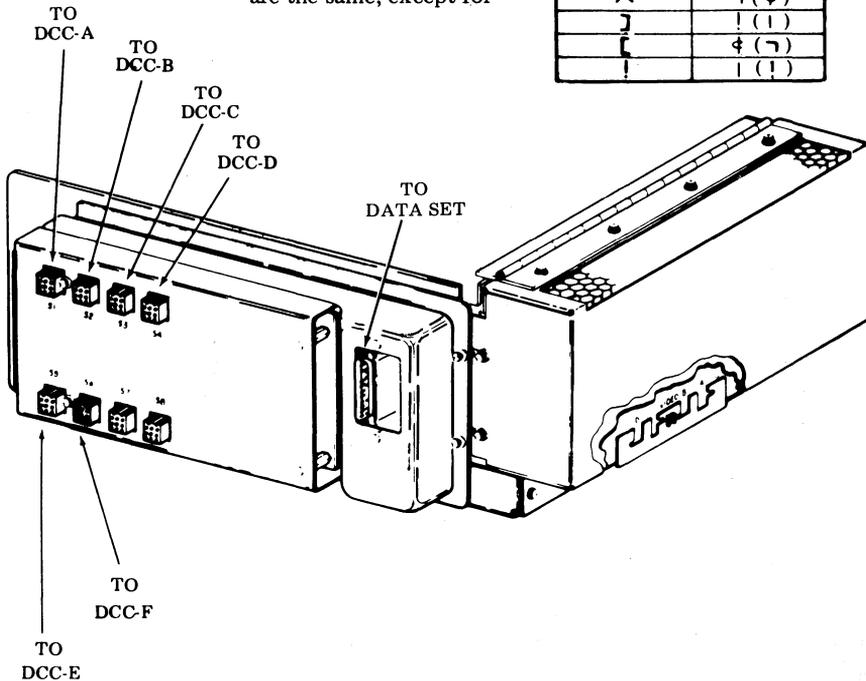USOC: 4TT
HANDLES: Up To 6-DCCs

PATTERN LIGHTS OR SWITCH POSITIONS   O "OFF"   ● "ON"

CARD POSITION: 1 2 3 4 5 6 7 8 9 10 11 12 13 14

CARD NUMBER: 410400, 410401, 41040N*, 410403, 410905, 41046N (Note), 410406, 410406, 410804

PATTERN LIGHTS
CONTINUE SWITCH
TEST SWITCH
RUN LAMP

12, +12, +5

410400 410401

TROUBLE PATTERNS

SWITCH POSITIONS

SPA3	SP1	SPC13	SPC13	SPA3
1 O	1 O	1 ●	1 ●	1 ●
2 ●	2 O	2 ●	2 O	2 ●
3 ●	3 ●	3 ●	3 ●	3 ●
1 ●	1 ●	4 O	4 O	4 ●
		5 O	5 O	
		6 O	6 O	
		7 O	7 O	

Note: 410461, 410465 or 410464 may be used in position 4, however, 410464 should only be used when 410461 or 410465 are not available.

"CONTINUE" LIGHT PATTERNS

#	ASCII	EBCDIC
1	●	●
2	●	●
3	O	O
4	●	O

ASCII
EBCDIC

CIU TP41040N*

SPA5	SPB13	SPB15	SPD20
1 O	1 ●	1 O	1 O
2 ●	2 ●	2 O	2 O
3 ●	3 ●	3 ●	3 ●
4 O	4 ●	4 O	4 O
5 O	5 ●	5 O	5 O
6 ●		6 O	6 O
7 ●		7 O	
8 ●			

PIT/SID TP410403

SWITCH NUMBER	SWITCH PACK LOCATION								
	C11	A17	A15	A13	B13	B15	B17	C17	C15
1	O				O	O	O		O
2	O				O	O	O		O
3	●				O	O	O		O
4	●				O	O	O		O
5	X				O	O	O		O
6	X				O	O	O		O
7	X		O	O	O		O	●	O
8	X		O	O	O		O		O

GRAPHIC DESIGNATIONS
OPTION — STATION POLL ADDRESS
  401   STATION SELECT ADDRESS

*ASCII — 410408
 EBCDIC — 410409

See adjacent page for Connections and terminal IDs.

OPTIONS - TP410403

402		SPC17 - 1
a ☐ CONTINUOUS ALARM		●
b ☐ 1 SECOND ALARM		O
403		**SPC17 - 2 - 3**
a ☐ INTENSIFIED ONLY		O O
b ☐ BLINK ONLY		● O
c ☐ INTENSIFIED & BLINK		O ●
406		**SPC17 - 4**
a ☐ ALPHA IN NUMERIC FIELD		●
b ☐ ALPHA NOT IN NUMERIC FIELD		O
404		**SPC17 - 5**
a ☐ TERMINATE W/ETX		●
b ☐ TERMINATE W/SUB ENQ.		O
408		**SPC17 - 6**
a ☐ ASCII		●
b ☐ EBCDIC		●
407 (Num Lock S.F.)		**SPC17 - 8**
a ☐ ENABLED		●
b ☐ DISABLED		O

PER STATION WORK SHEET
HIGHEST DCC CONNECTED TO SCC IS

	A	B	C	D	E	F
SPA13-1	●	O	O	O	O	O
SPA13-2	O	●	O	O	O	O
SPA13-3	O	O	●	O	O	O
SPA13-4	O	O	O	●	O	O
SPA13-5	O	O	O	O	●	O
SPA13-6	O	O	O	O	O	●

SCC -- Controller Arrangement Form
HANDLES: Up To 6-DCCs

CARD POSITION	I/O SOCKET	STATION WORK SHEET	DEVICE ADDRESS*
3	DS	DATA SET	
7	S1	DCC-A	SP A B C D E
7	S2	DCC-B	F G H I [.
7	S3	DCC-C	< (+ ! & J
7	S4	DCC-D	K L M N O P
8	S5	DCC-E	Q R] $ *)
8	S6	DCC-F	; ^ - / S T

*ASCII and EBCDIC graphics
are the same, except for

ASCII	EBCDIC
^	⌐ (¢) **
]	! (¦)
[	¢ (⌐)
!	¦ (!)

TO
DCC-A
TO
DCC-B
TO
DCC-C
TO
DCC-D
TO
DATA SET

DS

TO
DCC-F

TO
DCC-E

**Characters in parentheses are displayed as the device
addresses in local test when using EBCDIC line code.

SCC — Controller Arrangement Form
LINE CODE: ASCII ☐   EBCDIC ☐
USOC: 4TT
HANDLES: Up To 6-DCCs

PATTERN LIGHTS OR SWITCH POSITIONS   O - "OFF"   ● - "ON"

CARD POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14

CARD NUMBER

Card numbers: 410400, 410401, 410411, 41046N (Note), 410406, 410406, 410905, 410804

PATTERN LIGHTS
CONTINUE SWITCH
RUN LAMP
TEST SWITCH
- 12 +12 +5

410400 410401

TROUBLE PATTERNS

SWITCH POSITIONS

SP1 SPC13 SPC13 SPA3 SPA3

Note: 410461, 410465 or 410464 may be used in position 4, however, 410464 should only be used when 410461 or 410465 are not available.

"CONTINUE" LIGHT PATTERNS

There are no continue patterns

Caution: PROMs 450013, 450014, 450015 and 450016 on 410804 must be issue 3 or later.

CIU/PIT/SID   TP410411

SWITCH NUMBER	A21	B12	B1	B2	B3	B4	B5	B6	B7	B8
1	O	●				O	O	O		O
2	●	●				O	O	O		O
3	●	●				O	O	O		O
4	●	O				O	O	O		O
5	●	O				O	O	O		O
6	O	O				O	O	O		O
7	O	O			O	O	O	O	●	O
8	O	O				O	O	O		O
9	O									

SWITCH PACK LOCATION

GRAPHIC DESIGNATIONS

OPTION 401 STATION POLL ADDRESS
             STATION SELECT ADDRESS

See adjacent page for Connections and terminal IDs.

OPTIONS 410411

402		SPB7-1
a ☐ CONTINUOUS ALARM		●
b ☐ 1 SECOND ALARM		●
403		SPB7-2 –3
a ☐ INTENSIFIED ONLY		O O
b ☐ BLINK ONLY		● O
c ☐ INTENSIFIED & BLINK		O ●
406		SPB7-4
a ☐ ALPHA IN NUMERIC FIELD		●
b ☐ ALPHA NOT IN NUMERIC FIELD		O
404		SPB7-5
a ☐ TERMINATE W/ETX		O
b ☐ TERMINATE W/SUB ENQ.		●
408		SPB7-6
a ☐ ASCII		●
b ☐ EBCDIC		●
407 (Num Lock S.F.)		SPB7-8
a ☐ ENABLED		O
b ☐ DISABLED		O

PER STATION WORK SHEET
HIGHEST DCC CONNECTED TO SCC IS

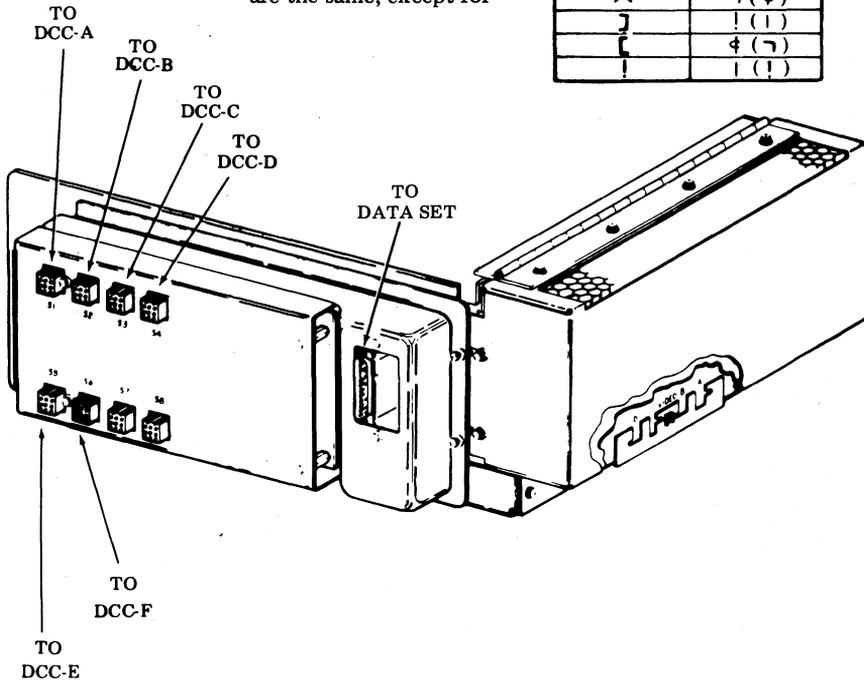|	A	B	C	D	E	F
SPB3-1	●	O	O	O	O	O
SPB3-2	O	●	O	O	O	O
SPB3-3	O	O	●	O	O	O
SPB3-4	O	O	O	●	O	O
SPB3-5	O	O	O	O	●	O
SPB3-6	O	O	O	O	O	●

SCC — Controller Arrangement Form
HANDLES: Up to 6-DCCs

CARD POSITION	I/O SOCKET	STATION WORK SHEET	DEVICE ADDRESS *					
3	DS	DATA SET						
5	S1	DCC-A	ᔆP	A	B	C	D	E
5	S2	DCC-B	F	G	H	I	(	.
5	S3	DCC-C	<	(	+	!	&	J
5	S4	DCC-D	K	L	M	N	O	P
6	S5	DCC-E	Q	R	]	$	*	)
6	S6	DCC-F	;	ʌ	-	/	S	T

*ASCII and EBCDIC graphics are the same, except for

ASCII	EBCDIC
ʌ	¬ (¢) **
]	! (ǀ)
[	¢ (¬)
!	ǀ (!)

TO DCC-A
TO DCC-B
TO DCC-C
TO DCC-D
TO DATA SET

TO DCC-F
TO DCC-E

**Characters in parentheses are displayed as the device addresses in local test when using EBCDIC line code.

SCC — Controller Arrangement Form
LINE CODE: ASCII ☐   EBCDIC ☐
USOC: 4TT
HANDLES: Up To 6-DCCs

PATTERN LIGHTS OR SWITCH POSITIONS   O "OFF"   ● "ON"

CARD POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14

CARD NUMBER

Card numbers: 410400, 410401, 410411, 41046N (Note), 410406, 410406, 410508

PATTERN LIGHTS
CONTINUE SWITCH
RUN LAMP
TEST SWITCH

-12 +12 +5

410400 410401

TROUBLE PATTERNS
SWITCH POSITIONS

SP1	SPC13	SPC13	SPA1
1 O	1 ●	1 O	1 ●
2 O	2 ●	2 O	2 ●
3 ●	3 ●	3 O	3 ●
4 ●	4 O	4 O	4 ●
	5 O	5 O	
	6 O	6 O	
	7 O	7 O	

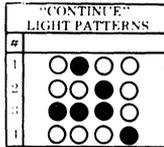Note: 410461, 410465 or 410464 may be used in position 4, however, 410464 should only be used when 410461 or 410465 are not available.

OPTIONS 410411	
402	SPB7-1
a ☐ CONTINUOUS ALARM	●
b ☐ 1 SECOND ALARM	O
403	SPB7-2 —3
a ☐ INTENSIFIED ONLY	O O
b ☐ BLINK ONLY	● O
c ☐ INTENSIFIED & BLINK	O ●
406	SPB7-4
a ☐ ALPHA IN NUMERIC FIELD	●
b ☐ ALPHA NOT IN NUMERIC FIELD	O
404	SPB7-5
a ☐ TERMINATE W/ETX	O
b ☐ TERMINATE W/SUB ENQ.	●
408	SPB7-6
a ☐ ASCII	●
b ☐ EBCDIC	O
407 (Num Lock S.F.)	SPB7-8
a ☐ ENABLED	●
b ☐ DISABLED	O

"CONTINUE" LIGHT PATTERN

There are no continue patterns

CIU/PIT/SID   TP410411

SWITCH NUMBER	SWITCH PACK LOCATION									
	A21	B12	B1	B2	B3	B4	B5	B6	B7	B8
1	O	●				O	O	O		O
2	●	●				O	O	O		O
3	●	●				O	O	O		O
4	●	O				O	O	O		O
5	●	O				O	O	O		O
6	O	●				O	O	O		O
7	O	●		O	O	O	O	●	O
8	O	●			O	O	O	O		O
9	O									

GRAPHIC DESIGNATIONS

OPTION   STATION POLL ADDRESS
401   STATION SELECT ADDRESS

See adjacent page for Connections and terminal IDs.

PER STATION WORK SHEET HIGHEST DCC CONNECTED TO SCC IS						
	A	B	C	D	E	F
SPB3-1	●	O	O	O	O	O
SPB3-2	O	●	O	O	O	O
SPB3-3	O	O	●	O	O	O
SPB3-4	O	O	O	●	O	O
SPB3-5	O	O	O	O	●	O
SPB3-6	O	O	O	O	O	●

SCC — Controller Arrangement Form
HANDLES: Up to 6-DCCs

CARD POSITION	I/O SOCKET	STATION WORK SHEET	DEVICE ADDRESS *					
3	DS	DATA SET						
5	S1	DCC-A	^{SP}P	A	B	C	D	E
5	S2	DCC-B	F	G	H	I	[	.
5	S3	DCC-C	<	(	+	!	&	J
5	S4	DCC-D	K	L	M	N	O	P
6	S5	DCC-E	Q	R	]	$	*	)
6	S6	DCC-F	;	∧	−	/	S	T

*ASCII and EBCDIC graphics are the same, except for

ASCII	EBCDIC
∧	⌐ (¢) **
]	! (¦)
[	¢ (⌐)
!	¦ (!)

TO
DCC-A

TO
DCC-B

TO
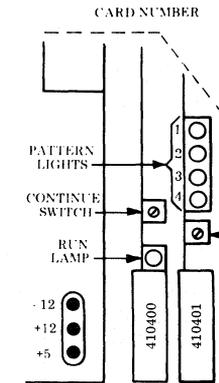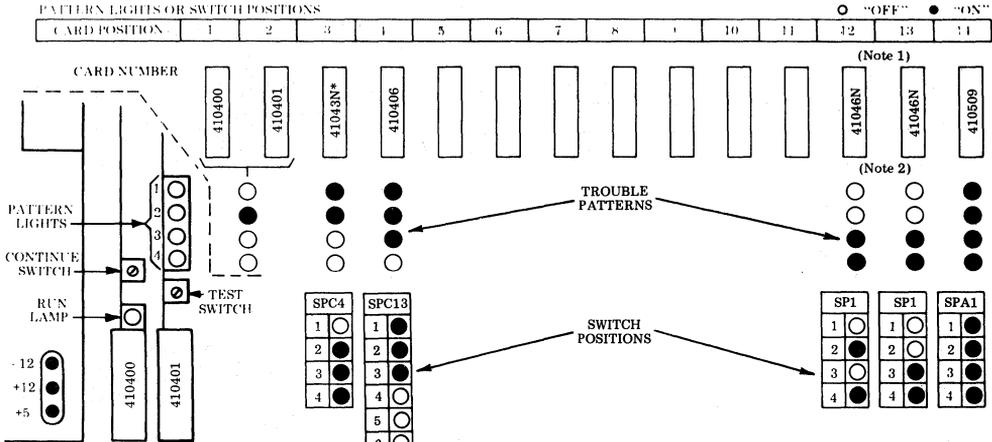DCC-C

TO
DCC-D

TO
DATA SET

TO
DCC-F

TO
DCC-E

**Characters in parentheses are displayed as the device
addresses in local test when using EBCDIC line code.

DCC — Controller Arrangement Form
DCC: A ☐ B ☐ C   D ☐ E ☐ F☐
USOC: 4TV + (4TOX+ OR 4TPX+)
HANDLES: 1 KD & 1 PTR (Not Print Local)
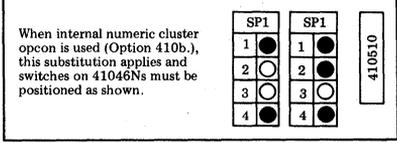
PATTERN LIGHTS OR SWITCH POSITIONS   O ‒ "OFF"   ● ‒ "ON"

CARD POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14

CARD NUMBER: 410400, 410401, 41043N*, 410406, 410465, 410911, 410809

PATTERN LIGHTS
CONTINUE SWITCH
RUN LAMP
TEST SWITCH

- 12
+12
+5

410400   410401

TROUBLE PATTERNS

SWITCH POSITIONS

SPC4   SPC13   SPA2   SPA3   SPA3

When internal numeric cluster opcon is used (option 410b.), these substitutions apply.   410907   410810

"CONTINUE" LIGHT PATTERNS

*41043N — Any D I/O circuit card

See adjacent page for connections and device addresses.

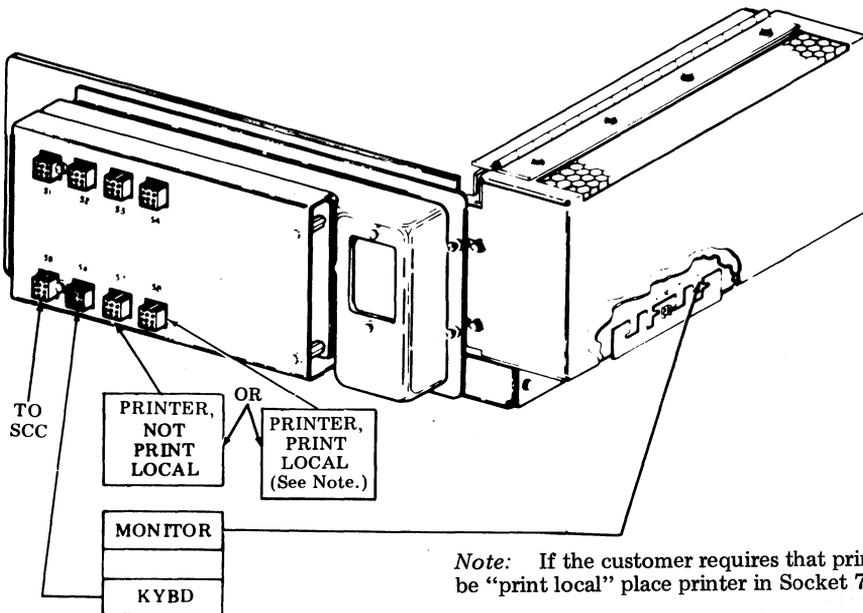| PRINTER OPTIONS	
PRINTER I/O SOCKET	**S7**
Friction Feed	
Tractor Feed 80 Col	
Tractor Feed 132 Col	
17. Specify Right Margin	
Specify Left Margin	
18.a. No Paper Feed Out	
18.b. Paper FO on "RM" Loss	
18.c. Paper FO on "RM" Loss and ETX	
19.d. 96 Character Set	
19.e. 64 Character Set	
19.f. Ext. ASCII Set	
20.a. Single LF	
20.b. Double LF	
21.a. Lower and Upper Case Print	
21.b. Lower Case Prints as Upper Case	
22.a. Lower Case Prints as Error	
22.b. Lower Case Prints as Upper Case	
39.a. Forms on	
39.b. Forms off	
48.a. Paper Out Not Gated W/FF	
48.b. Paper Out Gated W/FF	

DCC -- Controller Arrangement Form

HANDLES: 1-KD & 1-PTR (Not Print Local)

CARD POSITION	I/O SOCKET	DEVICE	STATION WORK SHEET	DEVICE ADDRESS *					
4	S5	STATION C/C (SCC)	DCC ⟶	A	B	C	D	E	F
4 & 3	S6 & A	KEYBOARD/DISPLAY	DEVICE ROW 1	Sp	F	⟨	K	Q	;
4	S7	PRINTER (N LOC)	DEVICE ROW 2	A	G	(	L	R	∧

*ASCII and EBCDIC graphics
are the same, except for
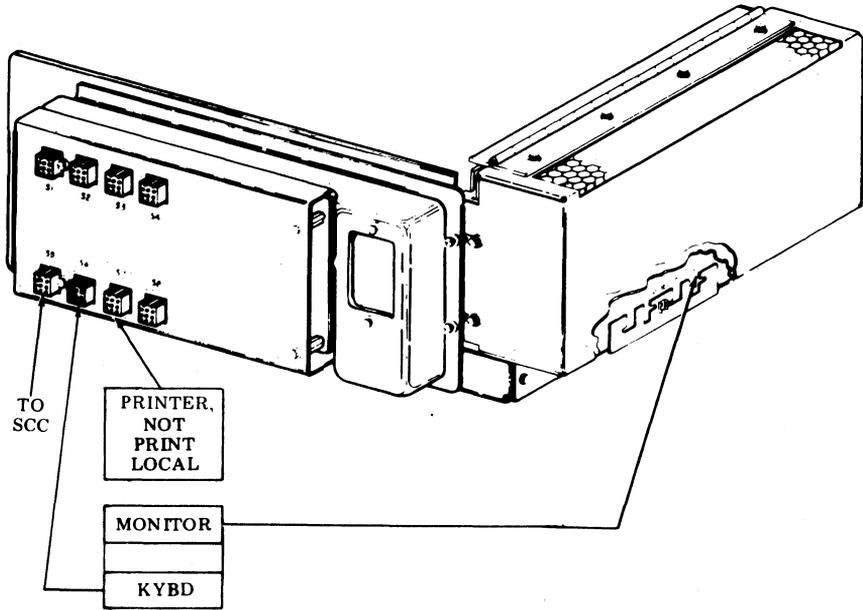
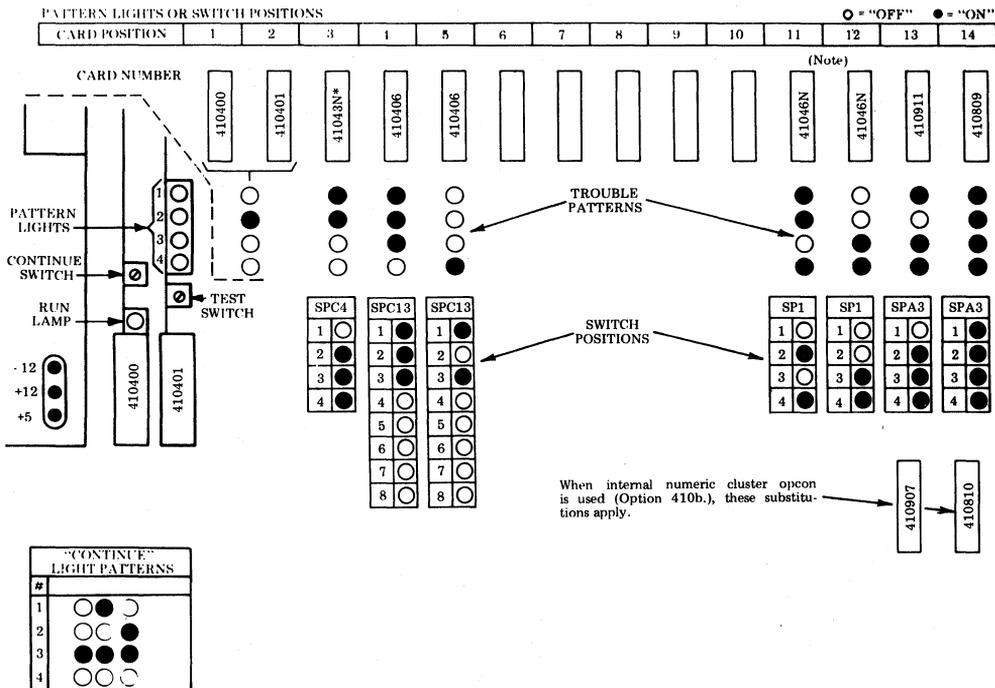| ASCII	EBCDIC
∧	¬ (¢)**

TO SCC

PRINTER, NOT PRINT LOCAL

MONITOR

KYBD

**Character in parentheses is displayed as the device
address in local test when using EBCDIC line code.

DCC — Controller Arrangement Form
DCC: A ☐ B ☐ C ☐ D ☐ E ☐ F ☐
USOC: 4TV+ (4TOX+ OR 4TPX+)
HANDLES: 1 KD & Up To 1 PTR (1 Print Local) (See Note.)

PATTERN LIGHTS OR SWITCH POSITIONS   O "OFF"   ● "ON"

CARD POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14

CARD NUMBER

Note 1:   Positions 12 and 13 may contain 2-410465s or 2-410461s or 1-410465 and 1-410461.

Note 2:   Same trouble pattern for both 41046Ns — if pattern occurs, replace 41046Ns one at a time until pattern no longer appears.

When internal numeric cluster opcon is used (Option 410b.), this substitution applies and switches on 41046Ns must be positioned as shown.

*41043N — Any D I/O circuit card

See adjacent page for Connections and device addresses.

OR

PRINTER OPTIONS		
PRINTER I/O SOCKET	S7	S8
Friction Feed		
Tractor Feed 80 Col		
Tractor Feed 132 Col		
17. Specify Right Margin		
Specify Left Margin		
18.a. No Paper Feed Out		
18.b. Paper FO on "RM" Loss		
18.c. Paper FO on "RM" Loss and ETX		
19.d. 96 Character Set		
19.e. 64 Character Set		
19.f. Ext. ASCII Set		
20.a. Single LF		
20.b. Double LF		
21.a. Lower and Upper Case Print		
21.b. Lower Case Prints as Upper Case		
22.a. Lower Case Prints as Error		
22.b. Lower Case Prints as Upper Case		
39.a. Forms on		
39.b. Forms off		
48.a. Paper Out Not Gated W/FF		
48.b. Paper Out Gated W/FF		

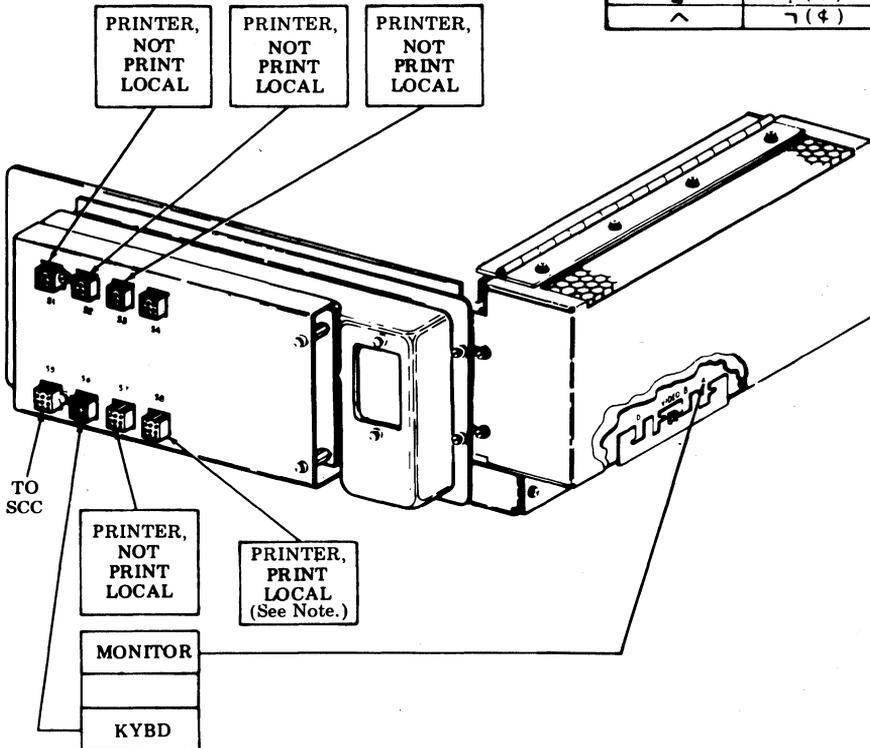DCC — Controller Arrangement Form
HANDLES: 1 KD & Up To 1 PTR (1 Print Local) (See Note.)

CARD POSITION	I/O SOCKET	DEVICE	STATION WORK SHEET	DEVICE ADDRESS *					
4	S5	STATION C/C (SCC)	DCC ———→	A	B	C	D	E	F
4 & 3	S6 & A	KEYBOARD/DISPLAY	DEVICE ROW 1	Sp	F	<	K	Q	;
4	S7	PRINTER (N LOC)	DEVICE ROW 2	A	G	(	L	R	^
4	S8	PRINTER (LOC)	DEVICE ROW 3	B	H	+	M	⌐	–

*ASCII and EBCDIC graphics
are the same, except for

ASCII	EBCDIC
^	¬ (¢)**
⌐	! (|)

TO SCC

PRINTER, NOT PRINT LOCAL

OR

PRINTER, PRINT LOCAL (See Note.)

MONITOR

KYBD

Note: If the customer requires that printer not be "print local" place printer in Socket 7.

**Character in parentheses is displayed as the device address in local test when using EBCDIC line code.
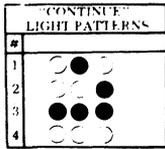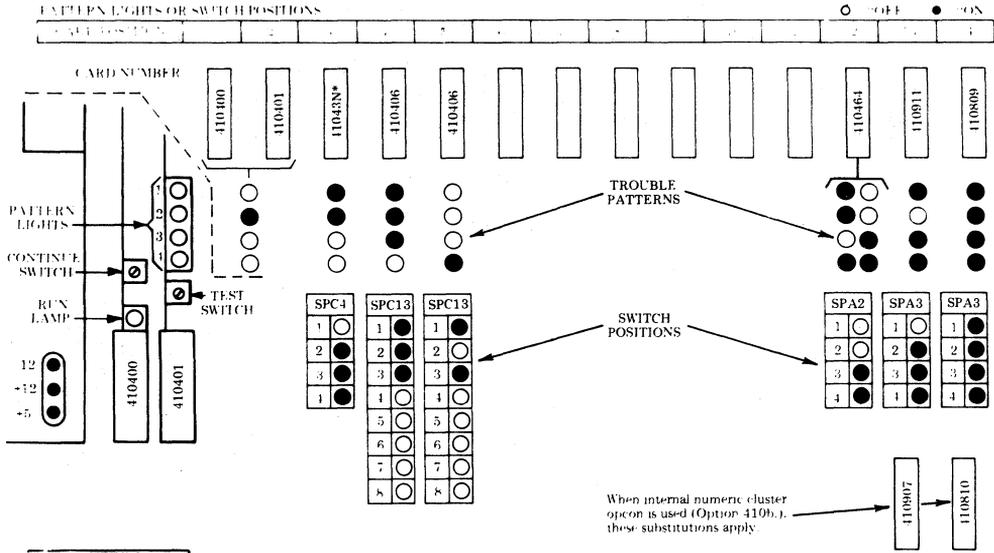
DCC — Controller Arrangement Form
DCC: A ☐ B ☐ C ☐ D ☐ E ☐ F☐
USOC: 4TV+ (4TOX+ OR 4TPX+)
HANDLES: 1 KD & Up To 5 PTRs (1 Print Local)

PATTERN LIGHTS OR SWITCH POSITIONS   O = "OFF"   ● = "ON"

CARD POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14

(Note)

CARD NUMBER

410400 410401 41043N* 410406 410406 41046N 41046N 410911 410809

PATTERN LIGHTS
CONTINUE SWITCH
RUN LAMP
TEST SWITCH

-12 +12 +5

410400 410401

TROUBLE PATTERNS

SWITCH POSITIONS

SPC4	SPC13	SPC13
1 ○	1 ●	1 ○
2 ●	2 ●	2 ○
3 ●	3 ●	3 ○
4 ●	4 ○	4 ○
	5 ○	5 ○
	6 ○	6 ○
	7 ○	7 ○
	8 ○	8 ○

SP1	SP1	SPA3	SPA3
1 ○	1 ○	1 ○	1 ●
2 ●	2 ●	2 ●	2 ●
3 ○	3 ●	3 ●	3 ●
4 ●	4 ●	4 ●	4 ●

When internal numeric cluster opcon is used (Option 410b.), these substitutions apply.

410907 410810

"CONTINUE" LIGHT PATTERNS

#			
1	○	●	○
2	○	○	●
3	●	●	●
4	○	○	○

Note: Positions 11 and 12 may contain 2 - 410465s or 2 - 410461s or 1 - 410465 and 1 - 410461.

*41043N — any D I/O circuit card

See adjacent page for Connections and device addresses.

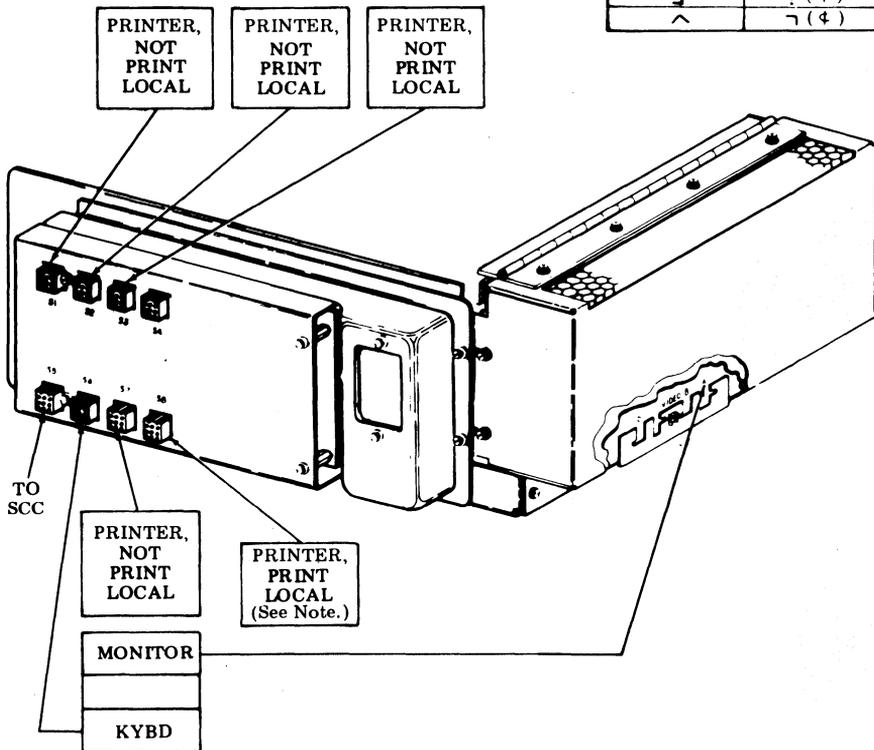| PRINTER OPTIONS					
PRINTER I/O SOCKET	S7	S8	S1	S2	S3
Friction Feed					
Tractor Feed 80 Col					
Tractor Feed 132 Col					
17. Specify Right Margin					
Specify Left Margin					
18.a. No Paper Feed Out					
18.b. Paper FO on "RM" Loss					
18.c. Paper FO on "RM" Loss and ETX					
19.d. 96 Character Set					
19.e. 64 Character Set					
19.f. Ext. ASCII Set					
20.a. Single LF					
20.b. Double LF					
21.a. Lower and Upper Case Print					
21.b. Lower Case Prints as Upper Case					
22.a. Lower Case Prints as Error					
22.b. Lower Case Prints as Upper Case					
39.a. Forms on					
39.b. Forms off					
48.a. Paper Out Not Gated W/FF					
48.b. Paper Out Gated W/FF					

DCC — Controller Arrangement Form
HANDLES: 1-KD & Up To 5-PTRs (1 Print Local)

CARD POSITION	I/O SOCKET	DEVICE	STATION WORK SHEET	DEVICE ADDRESS *					
4	S5	STATION C/C (SCC)	DCC ⟶	A	B	C	D	E	F
4 & 3	S6 & A	KEYBOARD/DISPLAY	DEVICE ROW 1	Sp	F	⟨	K	Q	;
4	S7	PRINTER (N LOC)	DEVICE ROW 2	A	G	(	L	R	⌃
4	S8	PRINTER (LOC)	DEVICE ROW 3	B	H	+	M	⌐	—
5	S1	PRINTER (N LOC)	DEVICE ROW 4	C	I	!	N	$	/
5	S2	PRINTER (N LOC)	DEVICE ROW 5	D	⌐	&	O	⋇	S
5	S3	PRINTER (N LOC)	DEVICE ROW 6	E	.	J	P	)	T

Note: If the customer requires that no printer be "print local", place a 340701 blocking keytop over the PRINT LOCAL position of the KD opcon.

*ASCII and EBCDIC graphics are the same, except for

ASCII	EBCDIC
[	¢ (⌐) **
!	¦ (!)
]	! (¦)
⌃	⌐ (¢)

PRINTER, NOT PRINT LOCAL

PRINTER, NOT PRINT LOCAL

PRINTER, NOT PRINT LOCAL

TO SCC

PRINTER, NOT PRINT LOCAL

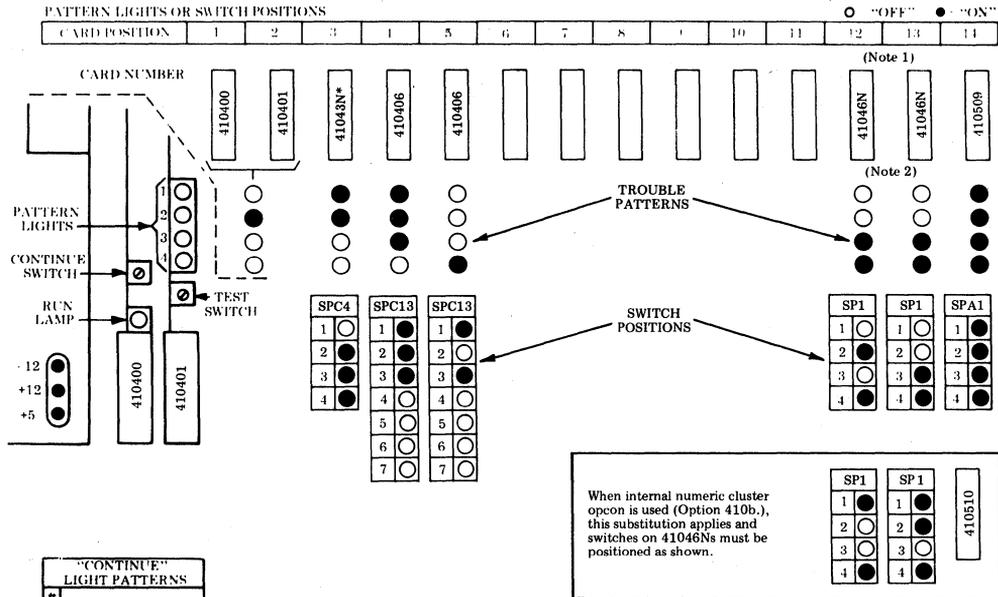PRINTER, PRINT LOCAL (See Note.)

MONITOR

KYBD

**Characters in parentheses are displayed as the device addresses in local test when using EBCDIC line code.

DCC — Controller Arrangement Form

DCC: A   B ☐ C ☐ D ☐ E ☐ F ☐
USOC: 4TV + (4TOX+ OR 4TPX+)
HANDLES: 1 KD & Up To 5 PTRs (1 Print Local)

PATTERN LIGHTS OR SWITCH POSITIONS   ○ = OFF   ● = ON

CARD NUMBER

Cards: 410400 | 410401 | 11043N* | 410406 | 410406 | ... | 410464 | 110911 | 110809

PATTERN LIGHTS
CONTINUE SWITCH
RUN LAMP
TEST SWITCH

TROUBLE PATTERNS

12
+12
+5

410400
410401

SWITCH POSITIONS

SPC4 | SPC13 | SPC13   SPA2 | SPA3 | SPA3

When internal numeric cluster opcon is used (Option 410b.), these substitutions apply.

110907 | 110810

"CONTINUE" LIGHT PATTERNS

#	
1	
2	
3	
4	

*41043N — Any D I/O circuit card

See adjacent page for connections and device addresses.

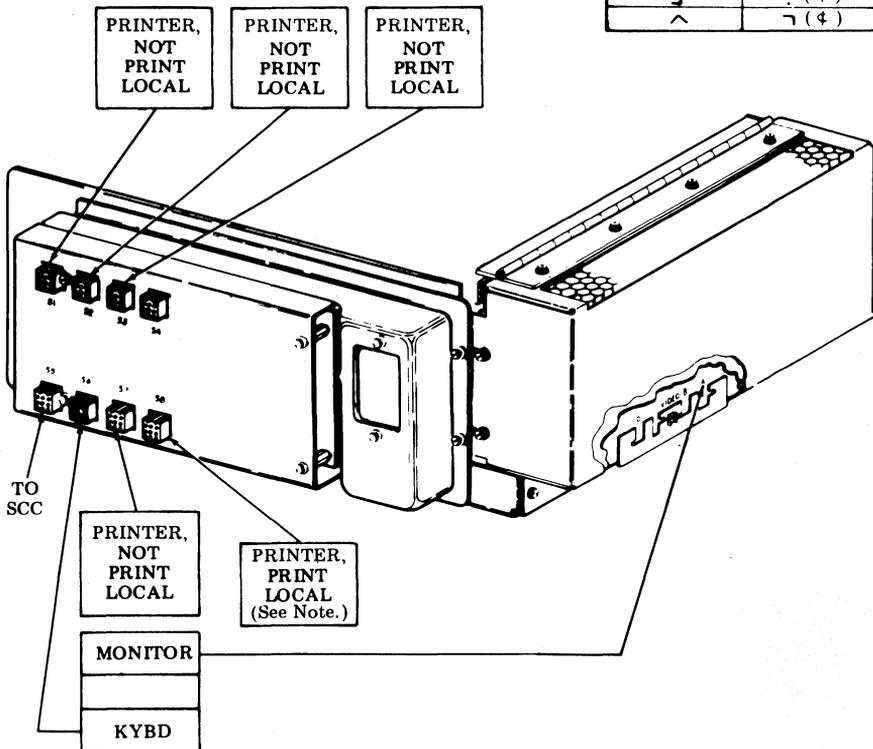| PRINTER OPTIONS					
PRINTER I/O SOCKET	S7	S8	S1	S2	S3
Friction Feed					
Tractor Feed 80 Col					
Tractor Feed 132 Col					
17 Specify Right Margin					
Specify Left Margin					
18.a. No Paper Feed Out					
18.b Paper FO on "RM" Loss					
18.c. Paper FO on "RM" Loss and ETX					
19.d 96 Character Set					
19.e. 64 Character Set					
19.f. Ext. ASCII Set					
20.a Single LF					
20.b. Double LF					
21.a Lower and Upper Case Print					
21.b. Lower Case Prints as Upper Case					
22.a. Lower Case Prints as Error					
22.b. Lower Case Prints as Upper Case					
39.a Forms on					
39.b. Forms off					
48.a. Paper Out Not Gated W FF					
48.b. Paper Out Gated W FF					

DCC -- Controller Arrangement Form
HANDLES: 1-KD & Up To 5-PTRs (1 Print Local)

CARD POSITION	I/O SOCKET	DEVICE	STATION WORK SHEET	DEVICE ADDRESS *					
4	S5	STATION C/C (SCC)	DCC ———→	A	B	C	D	E	F
4 & 3	S6 & A	KEYBOARD/DISPLAY	DEVICE ROW 1	Sp	F	<	K	Q	;
4	S7	PRINTER (N LOC)	DEVICE ROW 2	A	G	(	L	R	∧
4	S8	PRINTER (LOC)	DEVICE ROW 3	B	H	+	M	⌐	—
5	S1	PRINTER (N LOC)	DEVICE ROW 4	C	I	!	N	$	/
5	S2	PRINTER (N LOC)	DEVICE ROW 5	D	[	&	O	*	S
5	S3	PRINTER (N LOC)	DEVICE ROW 6	E	.	J	P	)	T

Note: If the customer requires that no printer be "print local", place a 340701 blocking keytop over the PRINT LOCAL position of the KD opcon.

*ASCII and EBCDIC graphics are the same, except for

ASCII	EBCDIC
[	♦ (⌐) **
!	¦ (!)
]	! (¦)
∧	⌐ (¢)

PRINTER, NOT PRINT LOCAL

PRINTER, NOT PRINT LOCAL

PRINTER, NOT PRINT LOCAL

TO SCC

PRINTER, NOT PRINT LOCAL

PRINTER, PRINT LOCAL (See Note.)

MONITOR

KYBD

**Characters in parentheses are displayed as the device addresses in local test when using EBCDIC line code.

DCC — Controller Arrangement Form
DCC: A ☐ B ☐ C ☐ D ☐ E ☐ F ☐
USOC: 4TV + (4TOX+ OR 4TPX+)
HANDLES: 1-KD & Up To 5 PTRs (1 Print Local)

Note 1: Positions 12 and 13 may contain
2-410465s or 2-410461s or 1-410465 and
1-410461.

Note 2: Same trouble pattern for both
41046Ns — if pattern occurs, replace
41046Ns one at a time until pattern
no longer appears.

*41043N — Any D I/O circuit card

See adjacent page for Connections
and device addresses.

When internal numeric cluster
opcon is used (Option 410b.),
this substitution applies and
switches on 41046Ns must be
positioned as shown.

PRINTER OPTIONS					
PRINTER I/O SOCKET	S7	S8	S1	S2	S3
Friction Feed					
Tractor Feed 80 Col					
Tractor Feed 132 Col					
17. Specify Right Margin					
Specify Left Margin					
18.a. No Paper Feed Out					
18.b. Paper FO on "RM" Loss					
18.c. Paper FO on "RM" Loss and ETX					
19.d. 96 Character Set					
19.e. 64 Character Set					
19.f. Ext. ASCII Set					
20.a. Single LF					
20.b. Double LF					
21.a. Lower and Upper Case Print					
21.b. Lower Case Prints as Upper Case					
22.a. Lower Case Prints as Error					
22.b. Lower Case Prints as Upper Case					
39.a. Forms on					
39.b. Forms off					
48.a. Paper Out Not Gated W/FF					
48.b. Paper Out Gated W/FF					

DCC — Controller Arrangement Form
HANDLES: 1-KD & Up To 5-PTRs (1 Print Local)

CARD POSITION	I/O SOCKET	DEVICE	STATION WORK SHEET	DEVICE ADDRESS*					
4	S5	STATION C/C (SCC)	DCC ——→	A	B	C	D	E	F
4 & 3	S6 & A	KEYBOARD/DISPLAY	DEVICE ROW 1	Sp	F	<	K	Q	;
4	S7	PRINTER (N LOC)	DEVICE ROW 2	A	G	(	L	R	⌃
4	S8	PRINTER (LOC)	DEVICE ROW 3	B	H	+	M	⌐	—
5	S1	PRINTER (N LOC)	DEVICE ROW 4	C	I	!	N	$	/
5	S2	PRINTER (N LOC)	DEVICE ROW 5	D	[	&	O	*	S
5	S3	PRINTER (N LOC)	DEVICE ROW 6	E	.	J	P	)	T

Note: If the customer requires that no printer be "print local", place a 340701 blocking keytop over the PRINT LOCAL position of the KD opcon.

*ASCII and EBCDIC graphics are the same, except for

ASCII	EBCDIC
[	◀ (⌐) **
!	¦ (!)
⌐	! (¦)
⌃	⌐ (¢)

PRINTER, NOT PRINT LOCAL

PRINTER, NOT PRINT LOCAL

PRINTER, NOT PRINT LOCAL

TO SCC

PRINTER, NOT PRINT LOCAL

PRINTER, PRINT LOCAL (See Note.)

MONITOR

KYBD

**Characters in parentheses are displayed as the device addresses in local test when using EBCDIC line code.

DCC -- Controller Arrangement Form
DCC: A   B ☐ C ☐ D ☐ E ☐ F ☐
USOC: 4TV + 2-(4TOX+ OR 4TPX+)
HANDLES: 2-KDs & 0-PTR

PATTERN LIGHTS OR SWITCH POSITIONS   O "OFF"   ● "ON"

CARD POSITION | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | *10 | 11 | 12 | 13 | 14

CARD NUMBER

410400 410401 41043N* 41043N* 410406 ... 410465 410161 410809

PATTERN LIGHTS
CONTINUE SWITCH
RUN LAMP
TEST SWITCH

-12 +12 +5

410400 410401

TROUBLE PATTERNS

SWITCH POSITIONS

SPC4	SPC4	SPC13
1	1	1
2	2	2
3	3	3
4	4	4
		5
		6
		7

SPA2	SPA3	SPA3
1	1	1
2	2	2
3	3	3
4	4	4

When internal numeric cluster opcon is used (OPtion 410b.), these substitutions apply.

410907 410810

"CONTINUE" LIGHT PATTERNS
#				
1				
2				
3				
4				

*41043N — Any D I/O circuit card

See adjacent page for connections
and device addresses.

DCC — Controller Arrangement Form
HANDLES: 2-KD & 0-PTR

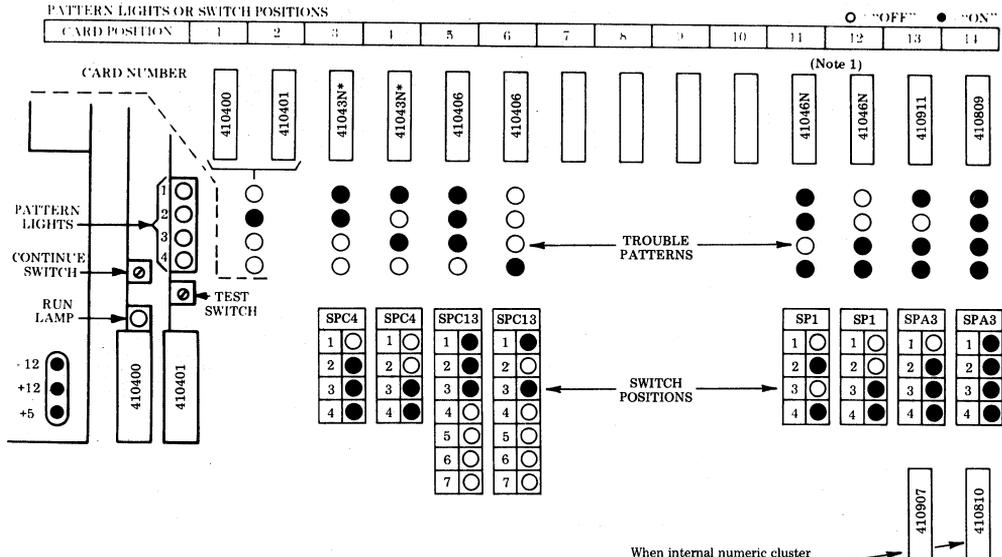| CARD POSITION	I/O SOCKET	DEVICE	STATION WORK SHEET	DEVICE ADDRESS *					
5	S1	STATION C/C (SCC)	DCC ⟶	A	B	C	D	E	F
5 & 3	S2 & A	KEYBOARD/DISPLAY(1)	DEVICE ROW 1	Sp	F	⟨	K	Q	;
5 & 4	S3 & B	KEYBOARD/DISPLAY(2)	DEVICE ROW 2	A	G	(	L	R	∧

*ASCII and EBCDIC graphics
are the same, except for

ASCII	EBCDIC
∧	¬(¢)**

MONITOR

KYBD

TO
SCC

MONITOR

KYBD

**Character in parentheses is displayed as the device
address in local test when using EBCDIC line code.

DCC — Controller Arrangement Form

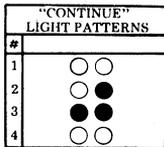DCC: A ☐ B ☐ C   D ☐ E ☐ F ☐
USOC: 4TV + 2-(4TOX+ OR 4TPX+)
HANDLES: 2-KD

When internal numeric cluster opcon is used (Option 410b.), this substitution applies and switches on 41046Ns must be positioned as shown.

Note 1: Positions 12 and 13 may contain 2 - 410465s or 2 - 410461s or 1 - 410465 and 1 - 410461.

Note 2: Same trouble pattern for both 41046Ns — if pattern occurs, replace 41046Ns one at a time until pattern no longer appears.

*41043N — Any D I/O circuit card

See adjacent page for connections and device addresses.

DCC — Controller Arrangement Form
HANDLES: 2-KD

CARD POSITION	I/O SOCKET	DEVICE	STATION WORK SHEET	DEVICE ADDRESS *					
5	S1	STATION C/C (SCC)	DCC →	A	B	C	D	E	F
5 & 3	S2 & A	KEYBOARD/DISPLAY(1)	DEVICE ROW 1	Sp	F	<	K	Q	;
5 & 4	S3 & B	KEYBOARD/DISPLAY(2)	DEVICE ROW 2	A	G	(	L	R	∧

*ASCII and EBCDIC graphics are the same, except for

ASCII	EBCDIC
∧	¬(¢)**

**Character in parentheses is displayed as the device address in local test when using EBCDIC line code.

DCC — Controller Arrangement Form
DCC: A B ☐ C ☐ D ☐ E ☐ F ☐
USOC: 4TV + 2-(4TOX+ OR 4TPX+)
HANDLES: 2-KDs & Up To 4-PTRs (2 Print Local)

PATTERN LIGHTS OR SWITCH POSITIONS   O "OFF"   ● "ON"

CARD POSITION | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14

CARD NUMBER

410400 410401 41043N* 41043N* 410406 410406 41046N 41046N 410911 410809

PATTERN LIGHTS
CONTINUE SWITCH
RUN LAMP
TEST SWITCH

TROUBLE PATTERNS

-12 +12 +5

410400 410401

SPC4 SPC4 SPC13 SPC13   SP1 SP1 SPA3 SPA3

SWITCH POSITIONS

410907 410810

When internal numeric cluster opcon is used (Option 410b.), these substitutions apply.

Note 1: Positions 11 and 12 may contain 2 - 410465s or 2 - 410461s or 1 - 410465 and 1 - 410461.

Note 2: Printer associated with I/O socket S4 will be print local for KD in I/O socket S2 & A. Printer in I/O socket S7 is print local to KD in I/O socket S5 & B. If no printer is in I/O socket S7, the printer in I/O socket S4 will be print local to both KDs. See Note 3.

"CONTINUE" LIGHT PATTERNS

#		
1	O	O
2	O	●
3	●	●
4	O	O

*41043N — ANY D I/O CIRCUIT CARD

See adjacent page for Connections and Device Addresses.

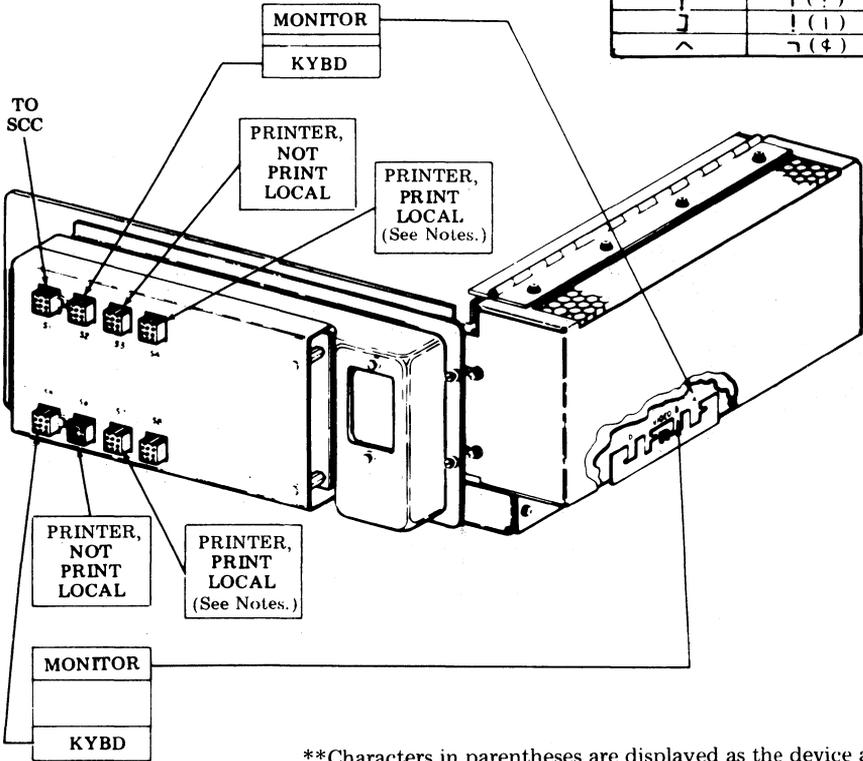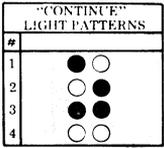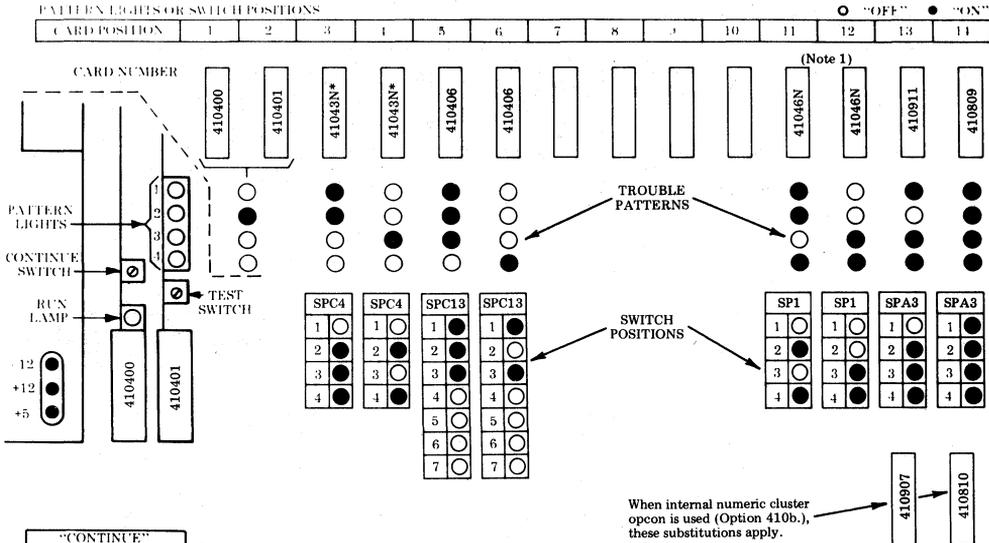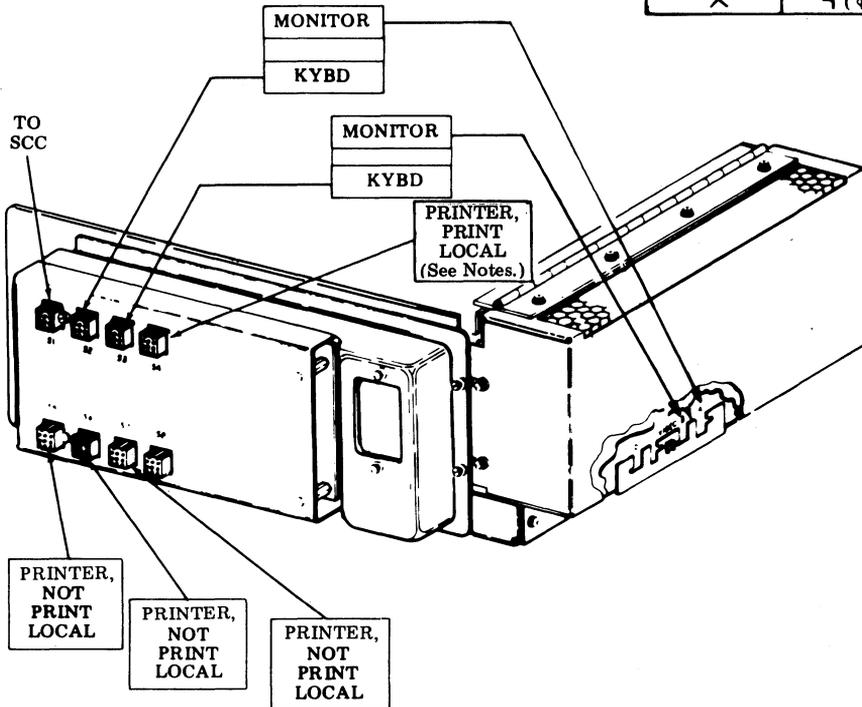| PRINTER OPTIONS				
PRINTER I/O SOCKET	S3	S4	S6	S7
Friction Feed				
Tractor Feed 80 Col				
Tractor Feed 132 Col				
17. Specify Right Margin				
Specify Left Margin				
18.a. No Paper Feed Out				
18.b. Paper FO on "RM" Loss				
18.c. Paper FO on "RM" Loss and ETX				
19.d. 96 Character Set				
19.e. 64 Character Set				
19.f. Ext. ASCII Set				
20.a. Single LF				
20.b. Double LF				
21.a. Lower and Upper Case Print				
21.b. Lower Case Prints as Upper Case				
22.a. Lower Case Prints as Error				
22.b. Lower Case Prints as Upper Case				
39.a. Forms on				
39.b. Forms off				
48.a. Paper Out Not Gated W/FF				
48.b. Paper Out Gated W/FF				

DCC — Controller Arrangement Form
HANDLES: 2-KDs & Up To 4-PTRs (2 Print Local)

CARD POSITION	I/O SOCKET	DEVICE	STATION WORK SHEET	DEVICE ADDRESS *					
5	S1	STATION C/C (SCC)	DCC ⟶	A	B	C	D	E	F
5 & 3	S2 & A	KEYBOARD/DISPLAY	DEVICE ROW 1	Sp	F	⟨	K	Q	;
5	S3	PRINTER (N LOC)	DEVICE ROW 2	A	G	(	L	R	∧
5	S4	PRINTER (NOTES)	DEVICE ROW 3	B	H	+	M	]	—
6 & 4	S5 & B	KEYBOARD/DISPLAY	DEVICE ROW 4	C	I	!	N	$	/
6	S6	PRINTER (N LOC)	DEVICE ROW 5	D	[	&	O	∗	S
6	S7	PRINTER (NOTES)	DEVICE ROW 6	E	.	J	P	)	T

Note 3: If the customer requires that print local operation be prohibited from both KDs or just one KD, place a 340701 blocking keytop over the PRINT LOCAL position of the appropriate KD opcon(s).

*ASCII and EBCDIC graphics are the same, except for

ASCII	EBCDIC
[	◆ (¬)**
!	¦ (!)
]	! (¦)
∧	¬ (¢)

MONITOR

KYBD

TO SCC

PRINTER, NOT PRINT LOCAL

PRINTER, PRINT LOCAL (See Notes.)

PRINTER, NOT PRINT LOCAL

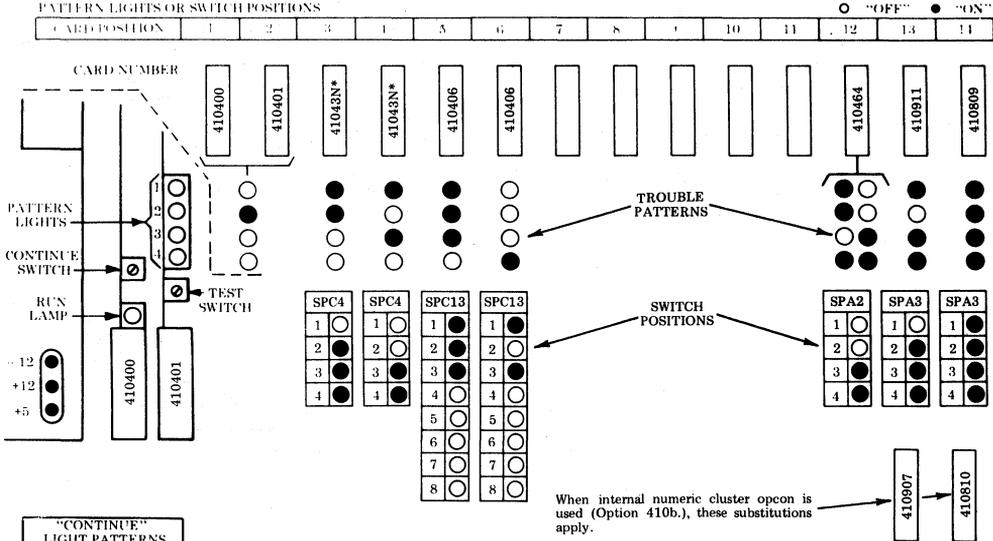PRINTER, PRINT LOCAL (See Notes.)

MONITOR

KYBD

**Characters in parentheses are displayed as the device addresses in local test when using EBCDIC line code.

DCC — Controller Arrangement Form

DCC: A ☐ B ☐ C ☐ D ☐ E ☐ F ☐
USOC: 4TV + 2-(4TOX+ OR 4TPX+)
HANDLES: 2-KDs & Up To 4-PTRs (1 Print Local)

PATTERN LIGHTS OR SWITCH POSITIONS   O "OFF"   ● "ON"

CARD POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14

(Note 1)

CARD NUMBER

Card numbers: 410400, 410401, 41043N*, 41043N*, 410406, 410406, 41046N, 41046N, 410911, 410809

PATTERN LIGHTS
CONTINUE SWITCH
RUN LAMP
TEST SWITCH

-12, +12, +5

410400, 410401

TROUBLE PATTERNS

SWITCH POSITIONS

Switch blocks: SPC4, SPC4, SPC13, SPC13, SP1, SP1, SPA3, SPA3

When internal numeric cluster opcon is used (Option 410b.), these substitutions apply. → 410907, 410810

"CONTINUE" LIGHT PATTERNS

#		
1	●	●
2	O	●
3	●	●
4	O	O

Note 1: Positions 11 and 12 may contain 2 - 410465s or 2 - 410461s or 1 - 410465 and 1 - 410461.

Note 2: Printer associated with I/O socket S4 will be print local for KD in I/O socket S2 & A and S3 & B. See Note 3.

*41043N — Any D I/O circuit card

See adjacent page for connections and device addresses.

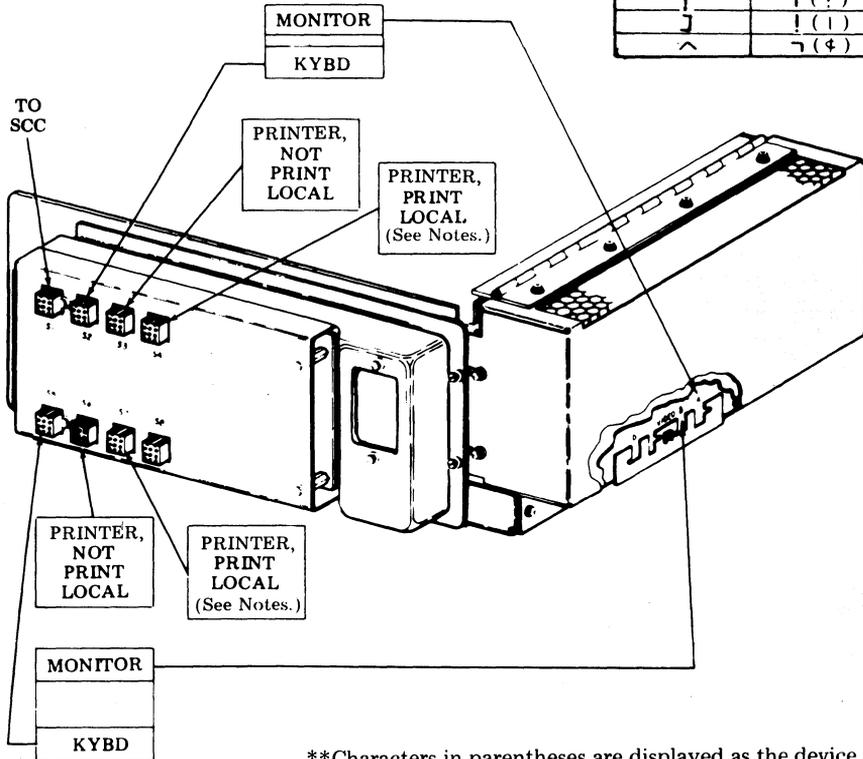| PRINTER OPTIONS				
PRINTER I/O SOCKET	S4	S5	S6	S7
Friction Feed				
Tractor Feed 80 Col				
Tractor Feed 132 Col				
17. Specify Right Margin				
Specify Left Margin				
18.a. No Paper Feed Out				
18.b. Paper FO on "RM" Loss				
18.c. Paper FO on "RM" Loss and ETX				
19.d. 96 Character Set				
19.e. 64 Character Set				
19.f. Ext. ASCII Set				
20.a. Single LF				
20.b. Double LF				
21.a. Lower and Upper Case Print				
21.b. Lower Case Prints as Upper Case				
22.a. Lower Case Prints as Error				
22.b. Lower Case Prints as Upper Case				
39.a. Forms on				
39.b. Forms off				
48.a. Paper Out Not Gated W/FF				
48.b. Paper Out Gated W/FF				

DCC — Controller Arrangement Form
HANDLES: 2-KDs & Up To 4-PTRs (1 Print Local)

CARD POSITION	I/O SOCKET	DEVICE	STATION WORK SHEET	DEVICE ADDRESS *					
5	S1	STATION C/C (SCC)	DCC⟶	A	B	C	D	E	F
5 & 3	S2 & A	KEYBOARD/DISPLAY	DEVICE ROW 1	Sp	F	⟨	K	Q	;
5 & 4	S3 & B	KEYBOARD/DISPLAY	DEVICE ROW 2	A	G	(	L	R	∧
5	S4	PRINTER (NOTES)	DEVICE ROW 3	B	H	+	M	]	—
6	S5	PRINTER (N LOC)	DEVICE ROW 4	C	I	!	N	$	/
6	S6	PRINTER (N LOC)	DEVICE ROW 5	D	[	&	O	*	S
6	S7	PRINTER (N LOC)	DEVICE ROW 6	E	.	J	P	)	T

Note 3: If the customer requires that print local operation be prohibited from both KDs or just one KD, place a 340701 blocking keytop over the PRINT LOCAL position of the appropriate KD opcon(s).

*ASCII and EBCDIC graphics are the same, except for

ASCII	EBCDIC
[	◆ (⌐) **
ǀ	! (!)
]	! (ǀ)
∧	⌐ (¢)

MONITOR

KYBD

TO SCC

MONITOR

KYBD

PRINTER, PRINT LOCAL (See Notes.)

PRINTER, NOT PRINT LOCAL

PRINTER, NOT PRINT LOCAL

PRINTER, NOT PRINT LOCAL

**Characters in parentheses are displayed as the device addresses in local test when using EBCDIC line code.

DCC — Controller Arrangement Form
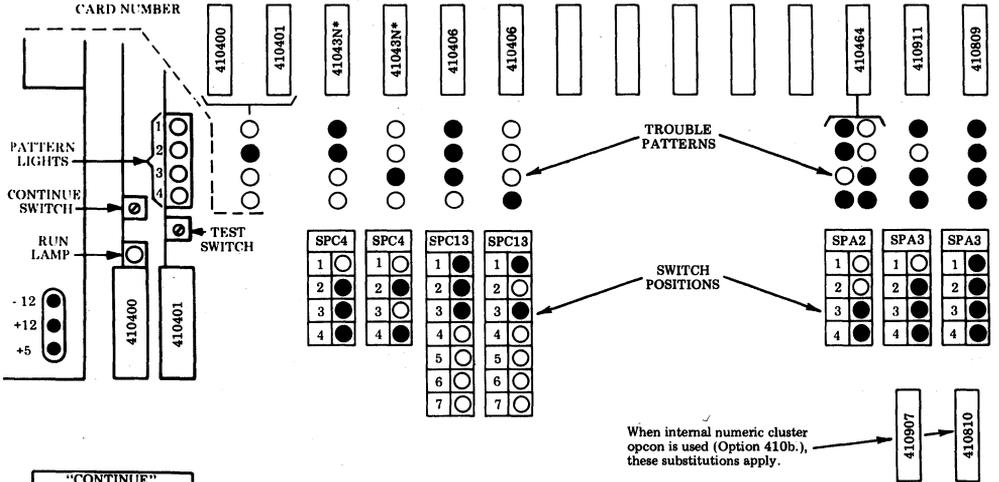## DCC: A B ☐ C D ☐ E ☐ F ☐
USOC: 4TV + 2-(4TOX+ OR 4TPX+)
HANDLES: 2-KDs & Up To 4-PTRs (2 Print Local)

PATTERN LIGHTS OR SWITCH POSITIONS   O "OFF" ● "ON"

TROUBLE PATTERNS

SWITCH POSITIONS

When internal numeric cluster opcon is used (Option 410b.), these substitutions apply.

"CONTINUE" LIGHT PATTERNS

Note 1: Printer associated with I/O socket S4 will be print local for KD in I/O socket S2 & A. Printer in I/O socket S7 is print local to KD in I/O socket S5 & B. If no printer is in I/O socket S7, the printer in I/O socket S4 will be print local to both KDs. See Note 2.

*41043N — ANY D I/O CIRCUIT CARD

See Adjacent page for Connections and Device Addresses.

PRINTER OPTIONS				
PRINTER I/O SOCKET	S3	S4	S6	S7
Friction Feed				
Tractor Feed 80 Col				
Tractor Feed 132 Col				
17. Specify Right Margin				
Specify Left Margin				
18.a. No Paper Feed Out				
18.b. Paper FO on "RM" Loss				
18.c. Paper FO on "RM" Loss and ETX				
19.d. 96 Character Set				
19.e. 64 Character Set				
19.f. Ext. ASCII Set				
20.a. Single LF				
20.b. Double LF				
21.a. Lower and Upper Case Print				
21.b. Lower Case Prints as Upper Case				
22.a. Lower Case Prints as Error				
22.b. Lower Case Prints as Upper Case				
39.a. Forms on				
39.b. Forms off				
48.a. Paper Out Not Gated W/FF				
48.b. Paper Out Gated W/FF				

DCC — Controller Arrangement Form
HANDLES: 2-KDs & Up To 4-PTRs (2 Print Local)

CARD POSITION	I/O SOCKET	DEVICE	STATION WORK SHEET	DEVICE ADDRESS *					
5	S1	STATION C/C (SCC)	DCC ──▶	A	B	C	D	E	F
5 & 3	S2 & A	KEYBOARD/DISPLAY	DEVICE ROW 1	Sp	F	⟨	K	Q	;
5	S3	PRINTER (N LOC)	DEVICE ROW 2	A	G	(	L	R	∧
5	S4	PRINTER (NOTES)	DEVICE ROW 3	B	H	+	M	]	—
6 & 4	S5 & B	KEYBOARD/DISPLAY	DEVICE ROW 4	C	I	!	N	$	/
6	S6	PRINTER (N LOC)	DEVICE ROW 5	D	[	&	O	*	S
6	S7	PRINTER (NOTES)	DEVICE ROW 6	E	.	J	P	)	T

Note 2: If the customer requires that print local operation be prohibited from both KDs or just one KD, place a 340701 blocking keytop over the PRINT LOCAL position of the appropriate KD opcon(s).

*ASCII and EBCDIC graphics are the same, except for

ASCII	EBCDIC
[	¢ (¬) **
!	¦ (!)
]	! (¦)
∧	¬ (¢)

MONITOR

KYBD

TO SCC

PRINTER, NOT PRINT LOCAL

PRINTER, PRINT LOCAL (See Notes.)

PRINTER, NOT PRINT LOCAL

PRINTER, PRINT LOCAL (See Notes.)

MONITOR

KYBD

**Characters in parentheses are displayed as the device addresses in local test when using EBCDIC line code.

DCC — Controller Arrangement Form
DCC: A ☐ B ☐ C ☐ D ☐ E ☐ F ☐
USOC: 4TV + 2-(4TOX+ OR 4TPX+)
HANDLES: 2-KDs & Up To 4-PTRs (1 Print Local)

PATTERN LIGHTS OR SWITCH POSITIONS   O = "OFF"   ● = "ON"

CARD POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14

CARD NUMBER

Card numbers: 410400, 410401, 41043N*, 41043N*, 410406, 410406, 410464, 410911, 410809

PATTERN LIGHTS
CONTINUE SWITCH
RUN LAMP — TEST SWITCH

- 12
+12
+5

410400, 410401

TROUBLE PATTERNS

SPC4, SPC4, SPC13, SPC13

SWITCH POSITIONS

SPA2, SPA3, SPA3

When internal numeric cluster opcon is used (Option 410b.), these substitutions apply. → 410907, 410810

"CONTINUE" LIGHT PATTERNS

#		
1	●	O
2	O	●
3	●	●
4	O	O

Note 1: Printer associated with I/O socket S4 will be print local for KD in I/O socket S2 & A and S3 & B. See Note 2.

*41043N — ANY D I/O CIRCUIT CARD

See adjacent page for Connections and Device Addresses.

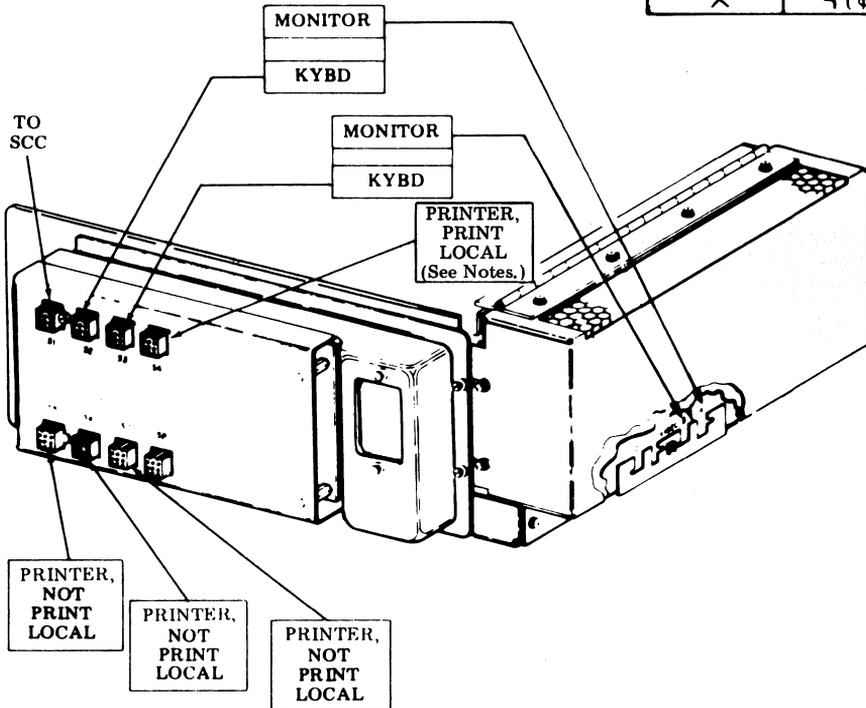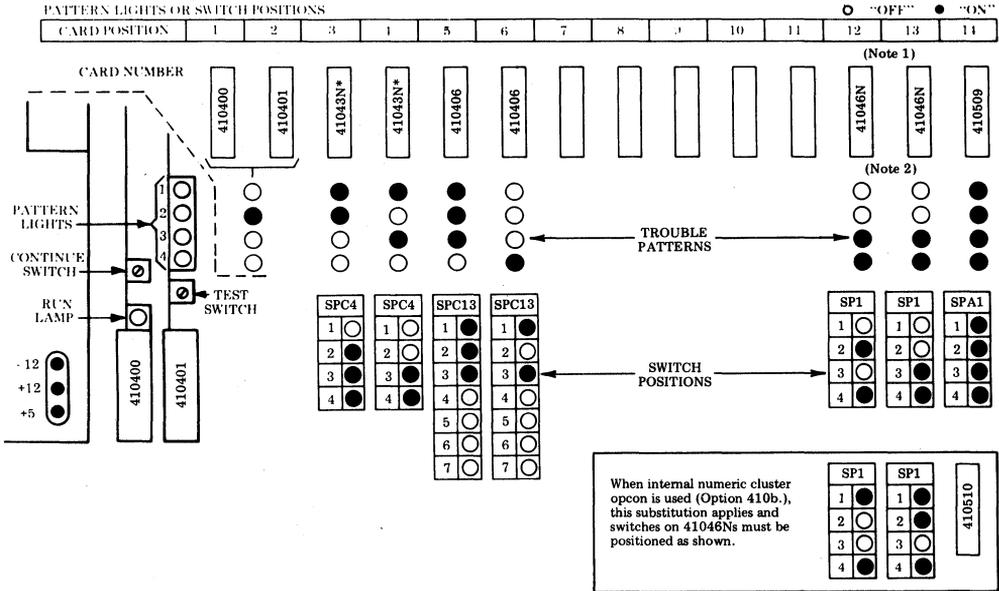| PRINTER OPTIONS				
PRINTER I/O SOCKET	S4	S5	S6	S7
Friction Feed				
Tractor Feed 80 Col				
Tractor Feed 132 Col				
17. Specify Right Margin				
Specify Left Margin				
18.a. No Paper Feed Out				
18.b. Paper FO on "RM" Loss				
18.c. Paper FO on "RM" Loss and ETX				
19.d. 96 Character Set				
19.e. 64 Character Set				
19.f. Ext. ASCII Set				
20.a. Single LF				
20.b. Double LF				
21.a. Lower and Upper Case Print				
21.b. Lower Case Prints as Upper Case				
22.a. Lower Case Prints as Error				
22.b. Lower Case Prints as Upper Case				
39.a. Forms on				
39.b. Forms off				
48.a. Paper Out Not Gated W/FF				
48.b. Paper Out Gated W/FF				

DCC — Controller Arrangement Form
HANDLES: 2-KDs & Up To 4-PTRs (1 Print Local)

CARD POSITION	I/O SOCKET	DEVICE	STATION WORK SHEET	DEVICE ADDRESS *					
5	S1	STATION C/C (SCC)	DCC →	A	B	C	D	E	F
5 & 3	S2 & A	KEYBOARD/DISPLAY	DEVICE ROW 1	Sp	F	<	K	Q	;
5 & 4	S3 & B	KEYBOARD/DISPLAY	DEVICE ROW 2	A	G	(	L	R	^
5	S4	PRINTER (NOTES)	DEVICE ROW 3	B	H	+	M	]	—
6	S5	PRINTER (N LOC)	DEVICE ROW 4	C	I	!	N	$	/
6	S6	PRINTER (N LOC)	DEVICE ROW 5	D	[	¢	O	*	S
6	S7	PRINTER (N LOC)	DEVICE ROW 6	E	.	J	P	)	T

Note 2: If the customer requires that print local operation be prohibited from both KDs or just one KD, place a 340701 blocking keytop over the PRINT LOCAL position of the appropriate KD opcon(s).

*ASCII and EBCDIC graphics are the same, except for

ASCII	EBCDIC
[	¢ (¬)**
!	! (!)
]	! (I)
^	¬ (¢)

**Characters in parentheses are displayed as the device addresses in local test when using EBCDIC line code.

DCC — Controller Arrangement Form
DCC: A   B ☐ C ☐ D ☐ E ☐ F ☐
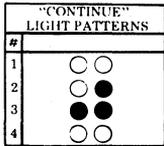USOC: 4TV + 2-(4TOX+ OR 4TPX+)
HANDLES: 2-KDs & Up To 4-PTRs (2 Print Local)

PATTERN LIGHTS OR SWITCH POSITIONS   O "OFF"   ● "ON"

CARD POSITION | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14

(Note 1)

CARD NUMBER

410400 410401 41043N* 41043N* 410406 410406 41046N 41046N 410509

(Note 2)

PATTERN LIGHTS
CONTINUE SWITCH
RUN LAMP
TEST SWITCH

410400 410401

-12 +12 +5

TROUBLE PATTERNS

SWITCH POSITIONS

SPC4 SPC4 SPC13 SPC13

SP1 SP1 SPA1

When internal numeric cluster opcon is used (Option 410b.), this substitution applies and switches on 41046Ns must be positioned as shown.

SP1 SP1

410510

"CONTINUE" LIGHT PATTERNS
#
1
2
3
4

Note 1: Positions 12 & 13 may contain 2 - 410465s or 2- 410461s or 1 - 410465 and 1 - 410461.

Note 2: Same trouble pattern for both 41046Ns. If pattern occurs, replace 41046Ns one at a time until pattern no longer appears.

Note 3: Printer associated with I/O socket S4 will be print local for KD in I/O socket S2 & A. Printer in I/O socket S7 is print local to KD in I/O socket S5 & B. If no printer is in I/O socket S7, the printer in I/O socket S4 will be print local to both KDs. See Note 4.

PRINTER OPTIONS				
PRINTER I/O SOCKET	S3	S4	S6	S7
Friction Feed				
Tractor Feed 80 Col				
Tractor Feed 132 Col				
17. Specify Right Margin				
Specify Left Margin				
18.a. No Paper Feed Out				
18.b. Paper FO on "RM" Loss				
18.c. Paper FO on "RM" Loss and ETX				
19.d. 96 Character Set				
19.e. 64 Character Set				
19.f. Ext. ASCII Set				
20.a. Single LF				
20.b. Double LF				
21.a. Lower and Upper Case Print				
21.b. Lower Case Prints as Upper Case				
22.a. Lower Case Prints as Error				
22.b. Lower Case Prints as Upper Case				
39.a. Forms on				
39.b. Forms off				
48.a. Paper Out Not Gated W/FF				
48.b. Paper Out Gated W/FF				

*41043N — ANY D I/O CIRCUIT CARD

See adjacent page for Connections and Device Addresses.
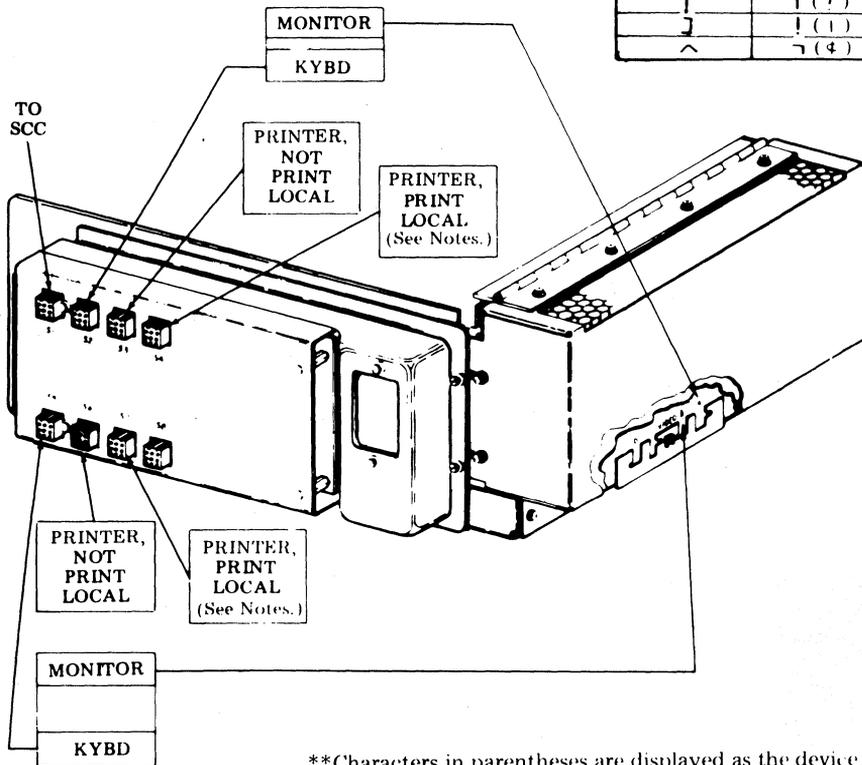
DCC — Controller Arrangement Form
HANDLES: 2-KDs & Up To 4-PTRs (2 Print Local)

CARD POSITION	I/O SOCKET	DEVICE	STATION WORK SHEET	DEVICE ADDRESS *					
5	S1	STATION C/C (SCC)	DCC ⟶	A	B	C	D	E	F
5 & 3	S2 & A	KEYBOARD/DISPLAY	DEVICE ROW 1	Sp	F	<	K	Q	;
5	S3	PRINTER (N LOC)	DEVICE ROW 2	A	G	(	L	R	∧
5	S4	PRINTER (NOTES)	DEVICE ROW 3	B	H	+	M	]	—
6 & 4	S5 & B	KEYBOARD/DISPLAY	DEVICE ROW 4	C	I	!	N	$	/
6	S6	PRINTER (N LOC)	DEVICE ROW 5	D	[	&	O	*	9
6	S7	PRINTER(NOTES)	DEVICE ROW 6	E	.	J	P	)	T

Note 4: If the customer requires that print local operation be prohibited from both KDs or just one KD, place a 340701 blocking keytop over the PRINT LOCAL position of the appropriate KD opcon(s).

*ASCII and EBCDIC graphics are the same, except for

ASCII	EBCDIC
[	◆ (¬) **
¦	¦ (!)
]	! (¦)
∧	¬ (¢)

TO
SCC

MONITOR
KYBD
PRINTER, NOT PRINT LOCAL
PRINTER, PRINT LOCAL (See Notes.)
PRINTER, NOT PRINT LOCAL
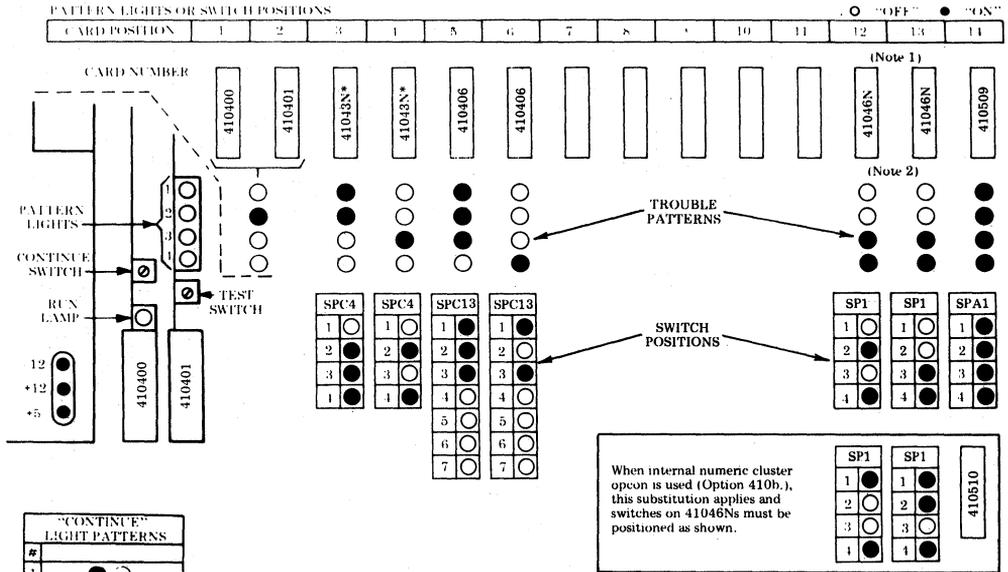PRINTER, PRINT LOCAL (See Notes.)
MONITOR
KYBD

**Characters in parentheses are displayed as the device addresses in local test when using EBCDIC line code.

DCC — Controller Arrangement Form
DCC: A   B ☐ C ☐ D ☐ E ☐ F ☐
USOC: 4TV + 2-(4TOX+ OR 4TPX+)
HANDLES: 2-KDs & Up To 4-PTRs (1 Print Local)

PATTERN LIGHTS OR SWITCH POSITIONS   O "OFF"   ● "ON"

CARD POSITION | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14

CARD NUMBER

(Note 1)

410400 410401 41043N* 41043N* 410406 410406 41046N 41046N 410509

(Note 2)

PATTERN LIGHTS
CONTINUE SWITCH
RUN LAMP
TEST SWITCH

TROUBLE PATTERNS

SWITCH POSITIONS

12
+12
+5

410400 410401

SPC4 SPC4 SPC13 SPC13   SP1 SP1 SPA1

When internal numeric cluster opcon is used (Option 410b.), this substitution applies and switches on 41046Ns must be positioned as shown.

SP1 SP1

410510

"CONTINUE" LIGHT PATTERNS

#		
1	●	O
2	O	●
3	●	●
4	O	O

Note 1. Positions 12 & 13 may contain 2 - 410465s or 2 - 410461s or 1 - 410465 and 1 - 410461.

Note 2. Same trouble pattern for both 41046Ns. If pattern occurs, replace 41046Ns one at a time until pattern no longer appears.

Note 3. Printer associated with I/O socket S4 will be print local for KD in I/O socket S2 & A and S3 & B. See Note 4.

*41043N — ANY D I/O CIRCUIT CARD

See adjacent page for Connections and Device Addresses.

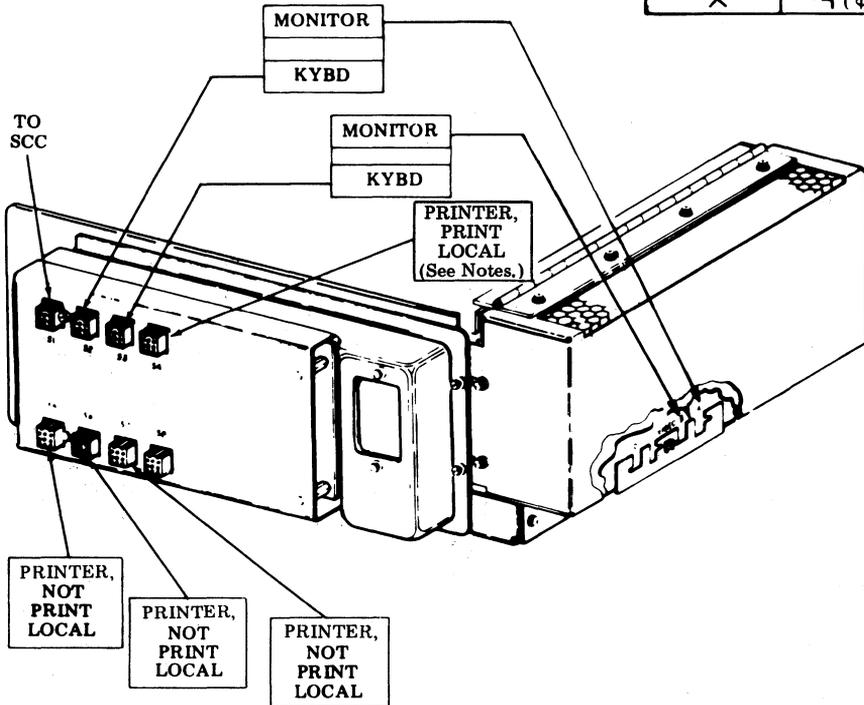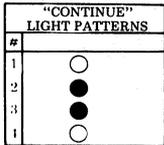| PRINTER OPTIONS		S4	S5	S6	S7
PRINTER I/O SOCKET					
	Friction Feed				
	Tractor Feed 80 Col				
	Tractor Feed 132 Col				
17	Specify Right Margin				
	Specify Left Margin				
18 a	No Paper Feed Out				
18 b	Paper FO on "RM" Loss				
18 c	Paper FO on "RM" Loss and ETX				
19 d	96 Character Set				
19 e	64 Character Set				
19 f	Ext. ASCII Set				
20 a	Single LF				
20 b	Double LF				
21 a	Lower and Upper Case Print				
21 b	Lower Case Prints as Upper Case				
22 a	Lower Case Prints as Error				
22 b	Lower Case Prints as Upper Case				
39 a	Forms on				
39 b	Forms off				
18 a	Paper Out Not Gated W FF				
18 b	Paper Out Gated W FF				

DCC — Controller Arrangement Form
HANDLES: 2-KDs & Up To 4-PTRs (1 Print Local)

CARD POSITION	I/O SOCKET	DEVICE	STATION WORK SHEET	DEVICE ADDRESS*					
5	S1	STATION C/C (SCC)	DCC──→	A	B	C	D	E	F
5 & 3	S2 & A	KEYBOARD/DISPLAY	DEVICE ROW 1	ⓈP	F	<	K	Q	;
5 & 4	S3 & B	KEYBOARD/DISPLAY	DEVICE ROW 2	A	G	(	L	R	∧
5	S4	PRINTER (NOTES)	DEVICE ROW 3	B	H	+	M	]	−
6	S5	PRINTER (N LOC)	DEVICE ROW 4	C	I	!	N	$	/
6	S6	PRINTER (N LOC)	DEVICE ROW 5	D	[	&	O	*	S
6	S7	PRINTER (N LOC)	DEVICE ROW 6	E	.	J	P	)	T

Note 4: If the customer requires that print local operation be prohibited from both KDs or just one KD, place a 340701 blocking keytop over the PRINT LOCAL position of the appropriate KD opcon(s).

*ASCII and EBCDIC graphics are the same, except for

ASCII	EBCDIC
[	¢ (¬)**
]	¦ (!)
]	! (¦)
∧	¬ (¢)

MONITOR
KYBD

TO SCC

MONITOR
KYBD

PRINTER, PRINT LOCAL (See Notes.)

PRINTER, NOT PRINT LOCAL

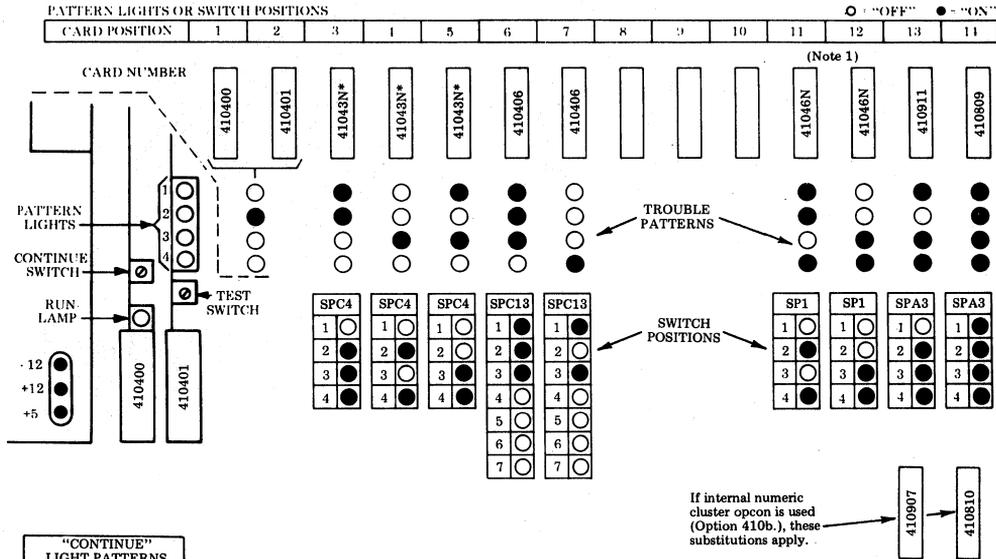PRINTER, NOT PRINT LOCAL

PRINTER, NOT PRINT LOCAL

**Characters in parentheses are displayed as the device addresses in local test when using EBCDIC line code.

DCC — Controller Arrangement Form
DCC: A   B   C ⸦ D ☐ E ⸦ F ☐
USOC: 4TV + 3-(4TOX+ OR 4TPX+)
HANDLES: 3-KDs & Up To 3-PTRs (2 Print Local)

PATTERN LIGHTS OR SWITCH POSITIONS   O ꞊ "OFF"   ● ꞊ "ON"

CARD POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14

(Note 1)

CARD NUMBER

Card numbers: 410400, 410401, 41043N*, 41043N*, 41043N*, 410406, 410406, (blank), (blank), (blank), 41046N, 41046N, 410911, 410809

PATTERN LIGHTS (1, 2, 3, 4)
CONTINUE SWITCH
RUN LAMP
TEST SWITCH

-12, +12, +5

410400, 410401

TROUBLE PATTERNS

SWITCH POSITIONS

SPC4 / SPC4 / SPC4 / SPC13 / SPC13 ... SP1 / SP1 / SPA3 / SPA3

If internal numeric cluster opcon is used (Option 410b.), these substitutions apply.   → 410907 → 410810

"CONTINUE" LIGHT PATTERNS

#	
1	○
2	●
3	●
4	○

Note 1:   Positions 11 & 12 may contain 2 - 410465s or 2 - 410461s or 1 - 410465 and 1 - 410461.

Note 2:   Printer in I/O socket S8 is print local to KDs in I/O socket S6 & A and S7 & B. Printer in I/O socket S3 is print local to KD in I/O socket S1 & C. If no printer is in I/O socket S3, printer in I/O socket S8 will be print local to all KDs. See Note 3.

*41043N — ANY D I/O CIRCUIT CARD

See adjacent page for Connections and Device Addresses.

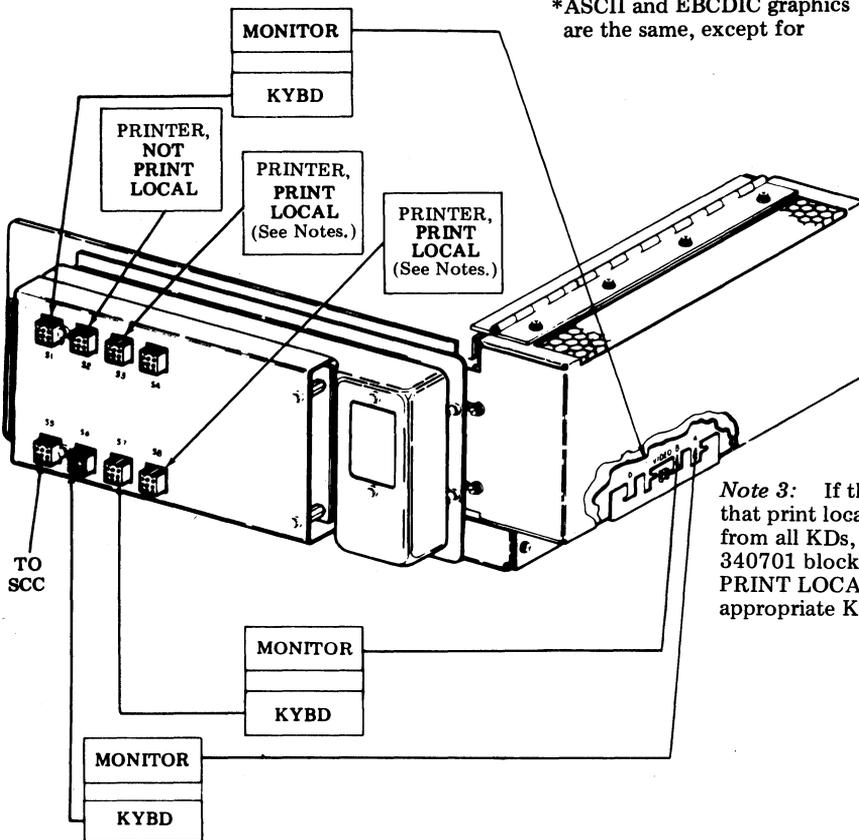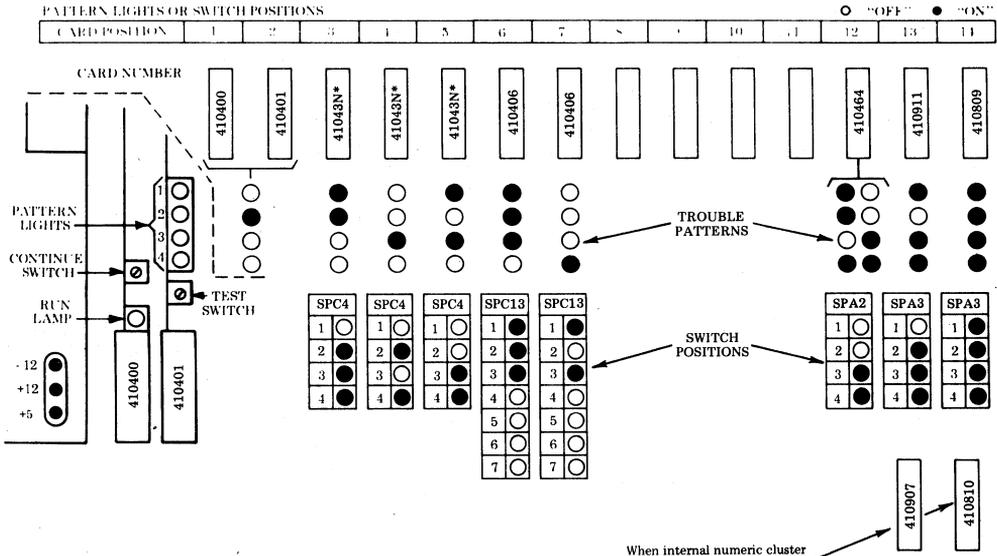| PRINTER OPTIONS			
PRINTER I/O SOCKET	S8	S3	S2
Friction Feed			
Tractor Feed 80 Col			
Tractor Feed 132 Col			
17. Specify Right Margin			
Specify Left Margin			
18.a. No Paper Feed Out			
18.b. Paper FO on "RM" Loss			
18.c. Paper FO on "RM" Loss and ETX			
19.d. 96 Character Set			
19.e. 64 Character Set			
19.f. Ext. ASCII Set			
20.a. Single LF			
20.b. Double LF			
21.a. Lower and Upper Case Print			
21.b. Lower Case Prints as Upper Case			
22.a. Lower Case Prints as Error			
22.b. Lower Case Prints as Upper Case			
39.a. Forms on			
39.b. Forms off			
48.a. Paper Out Not Gated W/FF			
48.b. Paper Out Gated W/FF			

DCC — Controller Arrangement Form
HANDLES: 3-KDs & Up To 3-PTRs (2 Print Local)

CARD POSITION	I/O SOCKET	DEVICE	STATION WORK SHEET	DEVICE ADDRESS *					
6	S5	STATION C/C (SCC)	DCC ⟶	A	B	C	D	E	F
6 & 3	S6 & A	KEYBOARD DISPLAY	DEVICE ROW 1	Sp	F	⟨	K	Q	;
6 & 4	S7 & B	KEYBOARD DISPLAY	DEVICE ROW 2	A	G	(	L	R	^
6	S8	PRINTER (NOTES)	DEVICE ROW 3	B	H	+	M	⌐	—
7 & 5	S1 & C	KEYBOARD DISPLAY	DEVICE ROW 4	C	I	!	N	$	/
7	S2	PRINTER (N LOC)	DEVICE ROW 5	D	[	¢	O	*	S
7	S3	PRINTER (NOTES)	DEVICE ROW 6	E	.	J	P	)	T

*ASCII and EBCDIC graphics
are the same, except for

ASCII	EBCDIC
[	¢ (⌐) **
!	! (!)
]	! (!)
^	⌐ (♦)

MONITOR

KYBD

PRINTER, NOT PRINT LOCAL

PRINTER, PRINT LOCAL (See Notes.)

PRINTER, PRINT LOCAL (See Notes.)

TO SCC

MONITOR

KYBD

MONITOR

KYBD

Note 3:   If the customer requires
that print local operation be prohibited
from all KDs, or just one KD, place a
340701 blocking keytop over the
PRINT LOCAL position of the
appropriate KD opcon(s).

**Characters in parentheses are displayed as the device
addresses in local test when using EBCDIC line code.
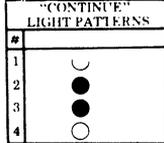
DCC — Controller Arrangement Form
DCC: A ☐ B ☐ C ☐ D ☐ E ☐ F ☐
USOC: 4TV + 3-(4TOX+ OR 4TPX+)
HANDLES: 3-KDs & Up To 3-PTRs (2 Print Local)

PATTERN LIGHTS OR SWITCH POSITIONS   O "OFF"   ● "ON"

CARD POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14

CARD NUMBER

Card numbers: 410400, 410401, 41043N*, 41043N*, 41043N*, 410406, 410406, 410464, 410911, 410809

PATTERN LIGHTS

CONTINUE SWITCH

TEST SWITCH

RUN LAMP

- 12
+12
+5

410400
410401

TROUBLE PATTERNS

SWITCH POSITIONS

SPC4, SPC4, SPC4, SPC13, SPC13 ... SPA2, SPA3, SPA3

"CONTINUE" LIGHT PATTERNS

#	
1	
2	●
3	●
4	

When internal numeric cluster opcon is used (Option 410b.), these substitutions apply.

410907
410810

Note 1: Printer in I/O socket S8 is print local to KDs in I/O socket S6 & A and S7 & B. Printer in I/O socket S3 is print local to KD in I/O socket S1 & C. If no printer is in I/O socket S3, printer in I/O socket S8 will be print local to all KDs. See Note 2.

*41043N — ANY D I/O CIRCUIT CARD

See adjacent page of Connections and Device Addresses.

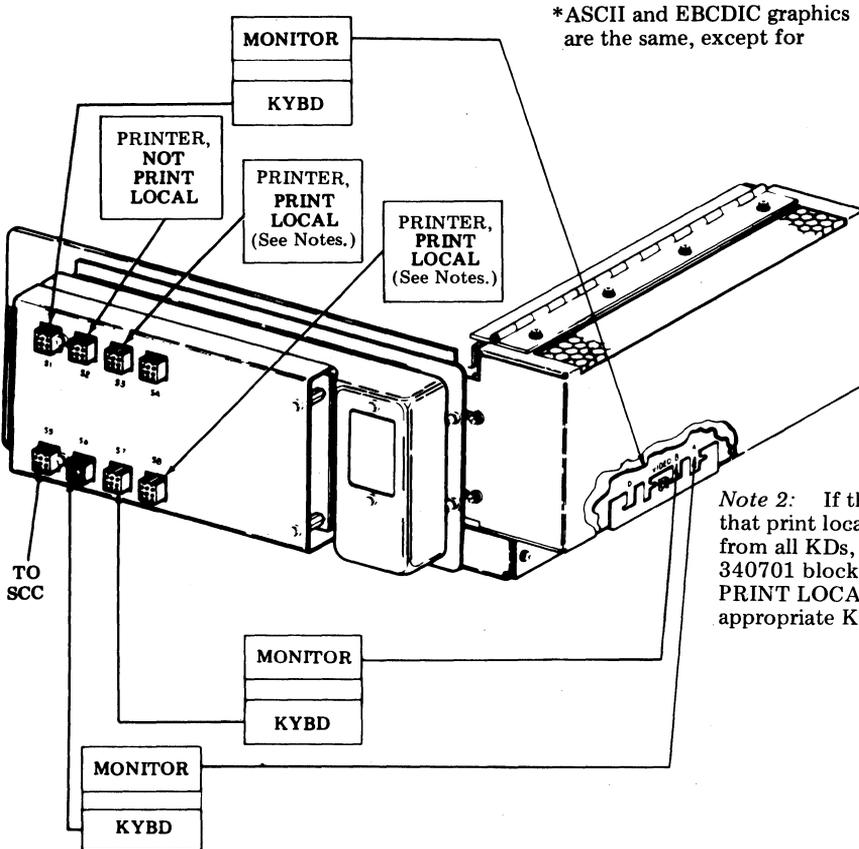| PRINTER OPTIONS			
PRINTER I/O SOCKET	S8	S3	S2
Friction Feed			
Tractor Feed 80 Col			
Tractor Feed 132 Col			
17. Specify Right Margin			
Specify Left Margin			
18.a. No Paper Feed Out			
18.b. Paper FO on "RM" Loss			
18.c. Paper FO on "RM" Loss and ETX			
19.d. 96 Character Set			
19.e. 64 Character Set			
19.f. Ext. ASCII Set			
20.a. Single LF			
20.b. Double LF			
21.a. Lower and Upper Case Print			
21.b. Lower Case Prints as Upper Case			
22.a. Lower Case Prints as Error			
22.b. Lower Case Prints as Upper Case			
39.a. Forms on			
39.b. Forms off			
48.a. Paper Out Not Gated W FF			
48.b. Paper Out Gated W FF			

DCC — Controller Arrangement Form
HANDLES: 3-KDs & Up To 3-PTRs (2 Print Local)

CARD POSITION	I/O SOCKET	DEVICE	STATION WORK SHEET	DEVICE ADDRESS *					
6	S5	STATION C/C (SCC)	DCC ⟶	A	B	C	D	E	F
6 & 3	S6 & A	KEYBOARD DISPLAY	DEVICE ROW 1	Sp	F	<	K	Q	;
6 & 4	S7 & B	KEYBOARD DISPLAY	DEVICE ROW 2	A	G	(	L	R	∧
6	S8	PRINTER (NOTES)	DEVICE ROW 3	B	H	+	M	]	—
7 & 5	S1 & C	KEYBOARD DISPLAY	DEVICE ROW 4	C	I	!	N	$	/
7	S2	PRINTER (N LOC)	DEVICE ROW 5	D	[	¢	O	*	S
7	S3	PRINTER (NOTES)	DEVICE ROW 6	E	.	J	P	)	T

*ASCII and EBCDIC graphics are the same, except for

ASCII	EBCDIC
[	¢ (¬)**
|	| (!)
]	! (|)
∧	¬ (♦)

MONITOR
KYBD

PRINTER, NOT PRINT LOCAL

PRINTER, PRINT LOCAL (See Notes.)

PRINTER, PRINT LOCAL (See Notes.)

TO SCC

MONITOR
KYBD

MONITOR
KYBD

Note 2: If the customer requires that print local operation be prohibited from all KDs, or just one KD, place a 340701 blocking keytop over the PRINT LOCAL position of the appropriate KD opcon(s).
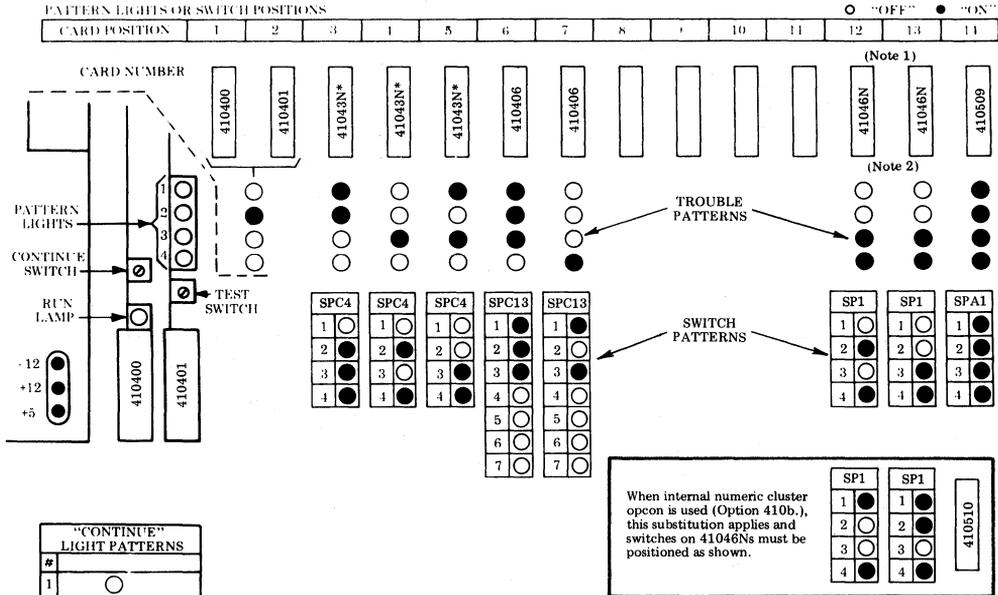
**Characters in parentheses are displayed as the device addresses in local test when using EBCDIC line code.

DCC — Controller Arrangement Form
DCC: A ☐ B ☐ C ☐ D ☐ E ☐ F ☐
USOC: 4TV + 3-(4TOX+ OR 4TPX+)
HANDLES: 3-KDs & Up To 3-PTRs (2 Print Local)

PATTERN LIGHTS OR SWITCH POSITIONS														O "OFF" ● "ON"	
CARD POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14

CARD NUMBER

Card numbers: 410400, 410401, 41043N*, 41043N*, 41043N*, 410406, 410406, 41046N, 41046N, 410509

(Note 1)

(Note 2)

PATTERN LIGHTS
CONTINUE SWITCH
RUN LAMP
TEST SWITCH
-12 +12 +5
410400 410401

TROUBLE PATTERNS

SWITCH PATTERNS

SPC4, SPC4, SPC4, SPC13, SPC13, SP1, SP1, SPA1

When internal numeric cluster opcon is used (Option 410b.), this substitution applies and switches on 41046Ns must be positioned as shown.

SP1, SP1, 410510

"CONTINUE" LIGHT PATTERNS

#	
1	O
2	●
3	●
4	O

Note 1: Positions 12 & 13 may contain 2 - 410465s or 2 - 410461s or 1 - 410465 and 1 - 410461.

Note 2: Same trouble pattern for both 41046Ns. If pattern occurs, replace 41046Ns one at a time until pattern no longer appears.

Note 3: Printer in I/O socket S8 is print local to KDs in I/O socket S6 & A and S7 & B. Printer in I/O socket S3 is print local to KD in I/O socket S1 & C. If no printer is in I/O socket S3, printer in I/O socket S8 will be print local to all KDs. See Note 4.

*41043N — ANY D I/O CIRCUIT CARD

See adjacent page for Connections and Device Addresses.

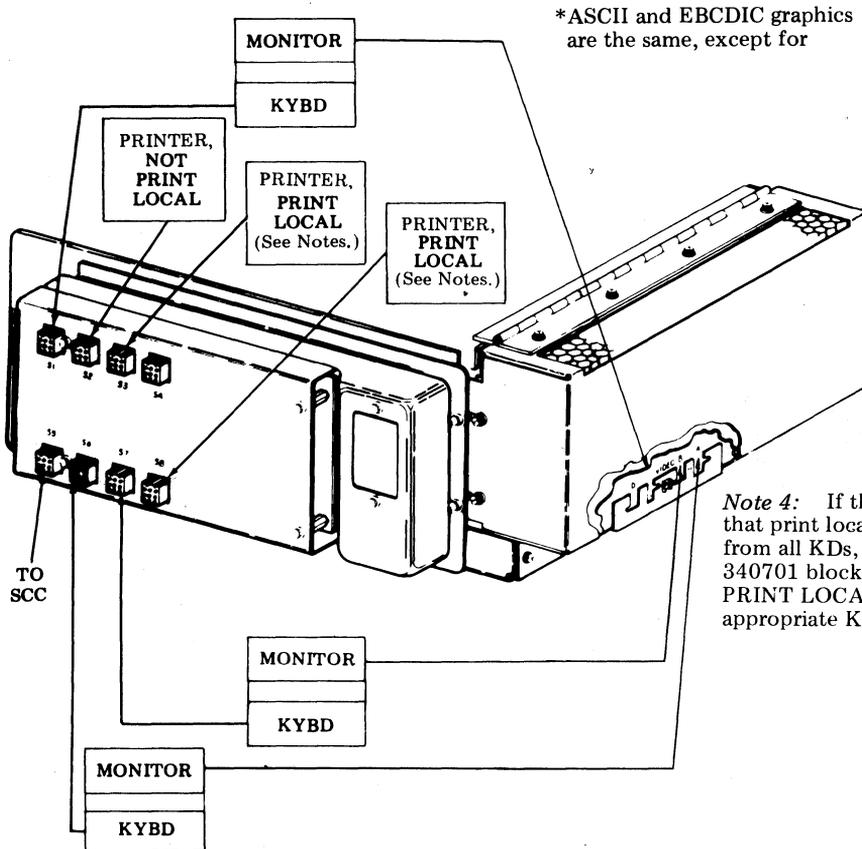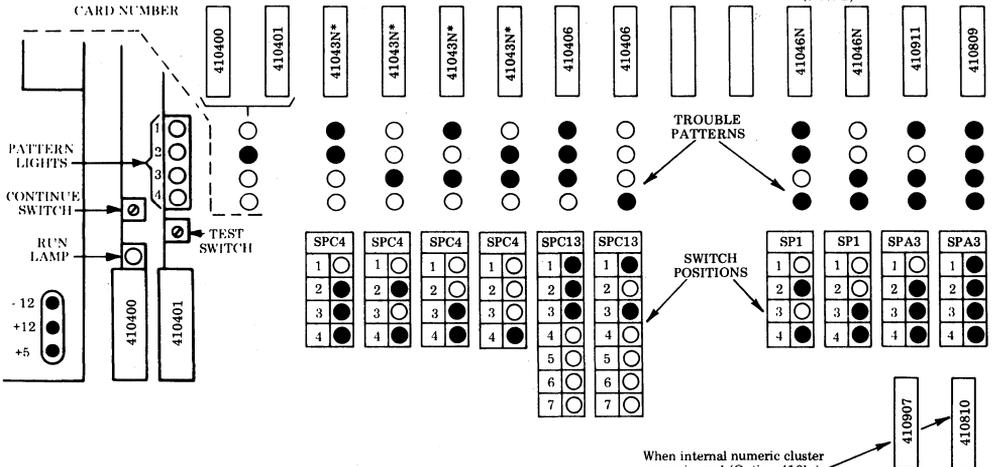| PRINTER OPTIONS			
PRINTER I/O SOCKET	S8	S3	S2
Friction Feed			
Tractor Feed 80 Col			
Tractor Feed 132 Col			
17. Specify Right Margin			
Specify Left Margin			
18.a. No Paper Feed Out			
18.b. Paper FO on "RM" Loss			
18.c Paper FO on "RM" Loss and ETX			
19.d. 96 Character Set			
19.e. 64 Character Set			
19.f. Ext. ASCII Set			
20.a Single LF			
20.b. Double LF			
21.a. Lower and Upper Case Print			
21.b. Lower Case Prints as Upper Case			
22.a Lower Case Prints as Error			
22.b. Lower Case Prints as Upper Case			
39.a. Forms on			
39.b. Forms off			
48.a. Paper Out Not Gated W FF			
48.b. Paper Out Gated W FF			

DCC — Controller Arrangement Form
HANDLES: 3-KDs & Up To 3-PTRs (2 Print Local)

CARD POSITION	I/O SOCKET	DEVICE	STATION WORK SHEET	DEVICE ADDRESS *					
6	S5	STATION C/C (SCC)	DCC ⟶	A	B	C	D	E	F
6 & 3	S6 & A	KEYBOARD DISPLAY	DEVICE ROW 1	Sp	F	<	K	Q	;
6 & 4	S7 & B	KEYBOARD DISPLAY	DEVICE ROW 2	A	G	(	L	R	^
6	S8	PRINTER (NOTES)	DEVICE ROW 3	B	H	+	M	]	-
7 & 5	S1 & C	KEYBOARD DISPLAY	DEVICE ROW 4	C	I `	!	N	$	/
7	S2	PRINTER (N LOC)	DEVICE ROW 5	D	[	ℓ	O	*	S
7	S3	PRINTER (NOTES)	DEVICE ROW 6	E	.	J	P	)	T

*ASCII and EBCDIC graphics
are the same, except for

ASCII	EBCDIC
[	¢ (¬)**
|	| (!)
]	! (\ )
^	¬ (♦)

MONITOR

KYBD

PRINTER,
NOT
PRINT
LOCAL

PRINTER,
PRINT
LOCAL
(See Notes.)

PRINTER,
PRINT
LOCAL
(See Notes.)

TO
SCC

Note 4: If the customer requires
that print local operation be prohibited
from all KDs, or just one KD, place a
340701 blocking keytop over the
PRINT LOCAL position of the
appropriate KD opcon(s).

MONITOR

KYBD

MONITOR

KYBD

MONITOR

KYBD

**Characters in parentheses are displayed as the device
addresses in local test when using EBCDIC line code.

DCC — Controller Arrangement Form
DCC: A   B ☐ C ☐ D ☐ E ☐ F ☐
USOC: 4TV + 4-(4TOX+ OR 4TPX+)
HANDLES: 4-KDs & Up To 2-PTRs (2 Print Local)

PATTERN LIGHTS OR SWITCH POSITIONS   O "OFF"   ● "ON"

| CARD POSITION | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | 10 | 11 | 12 | 13 | 14 |

(Note 1)

CARD NUMBER

Card numbers (positions): 410400, 410401, 41043N*, 41043N*, 41043N*, 41043N*, 410406, 410406, (blank), 41046N, 41046N, 410911, 410809

PATTERN LIGHTS — positions 1, 2, 3, 4

CONTINUE SWITCH

RUN LAMP

TEST SWITCH

410400   410401

-12   +12   +5

TROUBLE PATTERNS

SWITCH POSITIONS

SPC4 / SPC4 / SPC4 / SPC4 / SPC13 / SPC13 / SP1 / SP1 / SPA3 / SPA3

When internal numeric cluster opcon is used (Option 410b.), these substitutions apply.

410907   410810

"CONTINUE" LIGHT PATTERN

There are no continue patterns

Note 1: Positions 11 & 12 may contain 2 - 410465s or 2 - 410461s or 1 - 410465 and 1 - 410461.

Note 2: Printer in I/O socket S4 is print local to KDs in I/O socket S2 & A and S3 & B. Printer in I/O socket S7 is print local to KDs in I/O socket S5 & C and S6 & D. If no printer in I/O socket S7, printer in I/O socket S4 will be print local to all KDs. See Note 3.

*41043N — ANY D I/O CIRCUIT CARD

See adjacent page for Connections and Device Addresses.

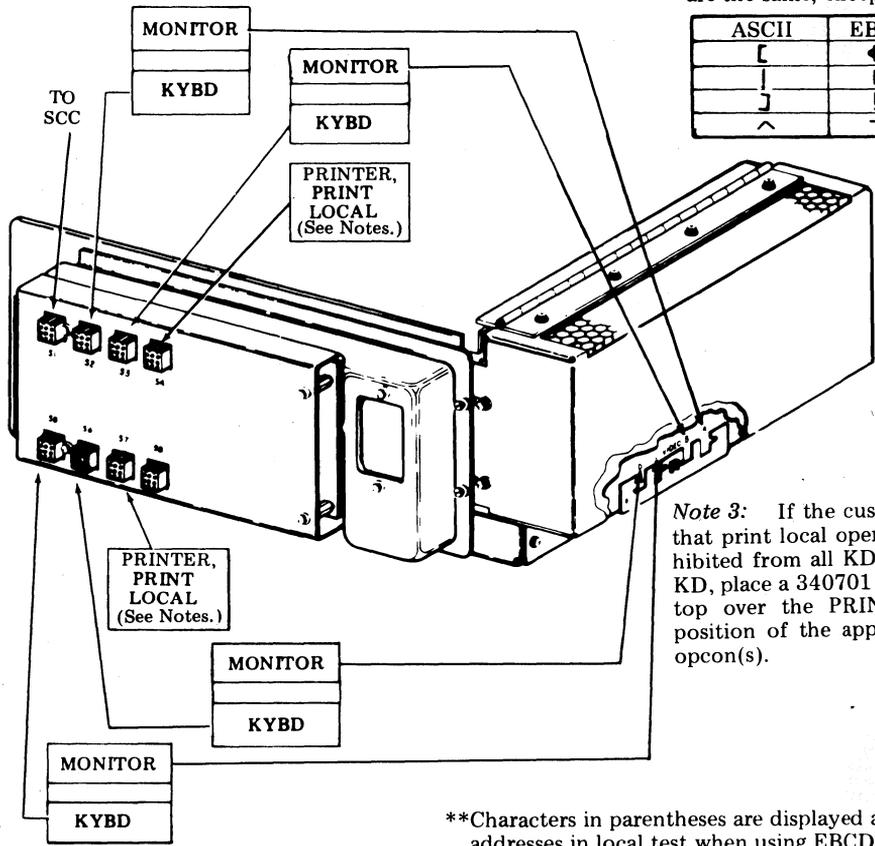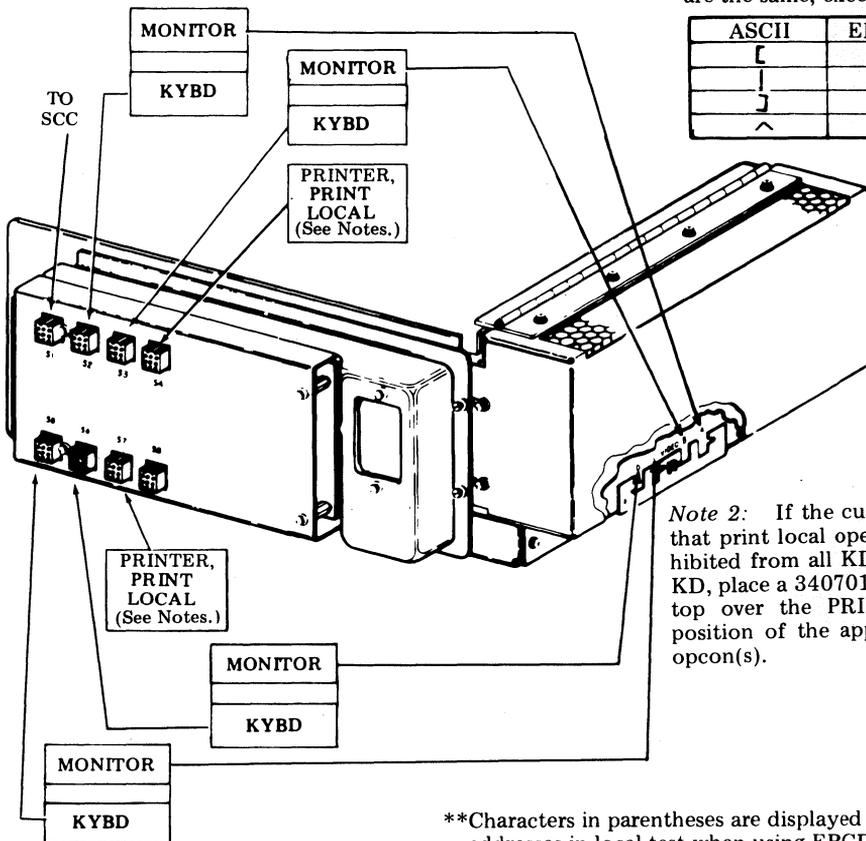| PRINTER OPTIONS		
PRINTER I/O SOCKET	S4	S7
Friction Feed		
Tractor Feed 80 Col		
Tractor Feed 132 Col		
17 Specify Right Margin		
Specify Left Margin		
18.a. No Paper Feed Out		
18.b. Paper FO on "RM" Loss		
18.c. Paper FO on "RM" Loss and ETX		
19.d. 96 Character Set		
19.e. 64 Character Set		
19.f. Ext. ASCII Set		
20.a. Single LF		
20.b. Double LF		
21.a. Lower and Upper Case Print		
21.b. Lower Case Prints as Upper Case		
22.a. Lower Case Prints as Error		
22.b. Lower Case Prints as Upper Case		
39.a. Forms on		
39.b. Forms off		
18.a. Paper Out Not Gated W/FF		
18.b. Paper Out Gated W/FF		

DCC — Controller Arrangement Form
HANDLES: 4-KDs & Up To 2-PTRs (2 Print Local)

CARD POSITION	I/O SOCKET	DEVICE	STATION WORK SHEET	DEVICE ADDRESS *					
7	S1	STATION C/C (SCC'	DCC ⟶	A	B	C	D	E	F
7 & 3	S2 & A	KEYBOARD/DISPLAY	DEVICE ROW 1	Sp	F	<	K	Q	;
7 & 4	S3 & B	KEYBOARD/DISPLAY	DEVICE ROW 2	A	G	(	L	R	∧
7	S4	PRINTER (NOTES)	DEVICE ROW 3	B	H	+	M	]	—
8 & 5	S5 & C	KEYBOARD/DISPLAY	DEVICE ROW 4	C	I	)	N	$	/
8 & 6	S6 & D	KEYBOARD/DISPLAY	DEVICE ROW 5	D	[	&	O	*	S
8	S7	PRINTER (NOTES)	DEVICE ROW 6	E	.	J	P	)	T

*ASCII and EBCDIC graphics
are the same, except for

ASCII	EBCDIC
[	◆ (⌐)**
⌡	¦ (!)
]	! (¦)
∧	⌐ (¢)

MONITOR
KYBD
TO SCC
MONITOR
KYBD
PRINTER, PRINT LOCAL (See Notes.)
PRINTER, PRINT LOCAL (See Notes.)
MONITOR
KYBD
MONITOR
KYBD

Note 3: If the customer requires that print local operation be prohibited from all KDs, or just one KD, place a 340701 blocking keytop over the PRINT LOCAL position of the appropriate KD opcon(s).
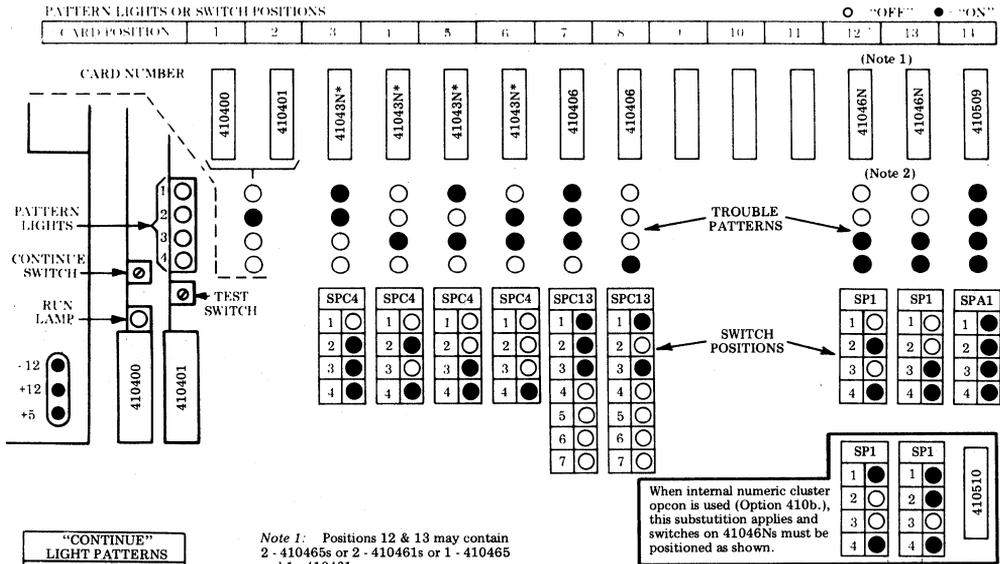
**Characters in parentheses are displayed as the device addresses in local test when using EBCDIC line code.

DCC — Controller Arrangement Form
DCC: A   B □ C □ D □ E □ F □
USOC: 4TV + 4-(4TOX+ OR 4TPX+)
HANDLES: 4-KDs & Up To 2-PTRs (2 Print Local)

PATTERN LIGHTS OR SWITCH POSITIONS													. O "OFF"	● "ON"
CARD POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14

CARD NUMBER

Card numbers: 410400, 410401, 41043N*, 41043N*, 41043N*, 41043N*, 410406, 410406, 410464, 410911, 410809

PATTERN LIGHTS
CONTINUE SWITCH
RUN LAMP
TEST SWITCH
-12 +12 +5
410400 410401

TROUBLE PATTERNS

SWITCH PATTERNS

SPC4, SPC4, SPC4, SPC4, SPC13, SPC13, SPA2, SPA3, SPA3

410907, 410810

When internal numeric cluster opcon is used (Option 410b.), these substitutions apply.

"CONTINUE" LIGHT PATTERN

There are no continue patterns

*41043N — ANY D I/O CIRCUIT DARD

See adjacent page for Connections and Device Addresses.

Note 1: Printer in I/O socket S4 is print local to KDs in I/O socket S2 & A and S3 & B. Printer in I/O socket S7 is print local to KDs in I/O socket S5 & C and S6 & D. If no printer in I/O socket S7, printer in I/O socket S4 will be print local to all KDs. See Note 2.

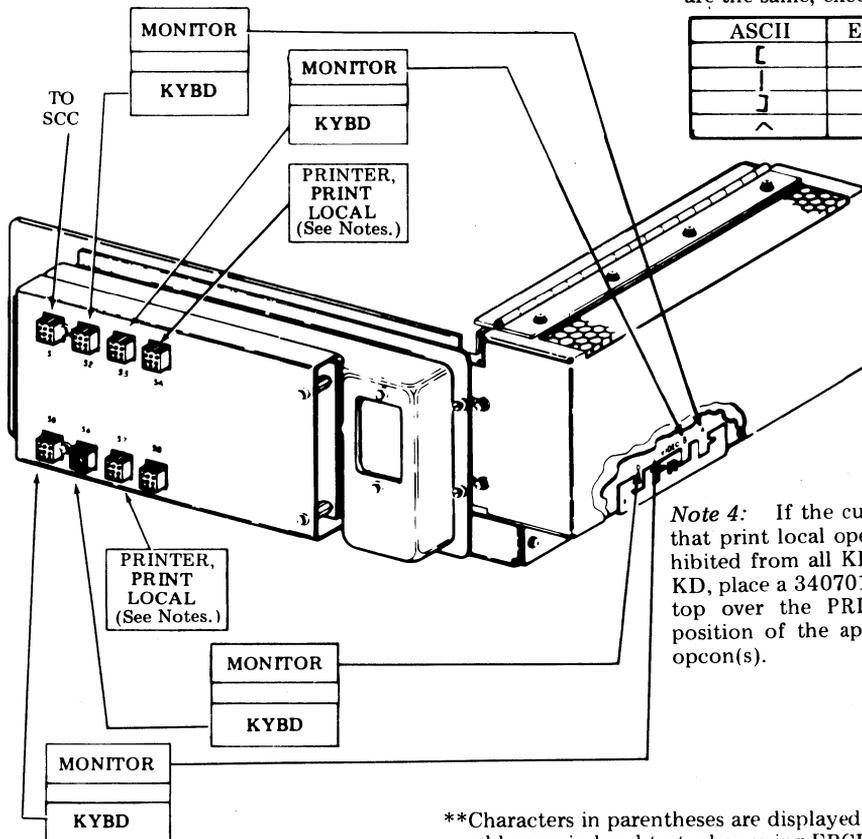| PRINTER OPTIONS			
PRINTER I/O SOCKET		S4	S7
Friction Feed			
Tractor Feed 80 Col			
Tractor Feed 132 Col			
17	Specify Right Margin		
	Specify Left Margin		
18.a.	No Paper Feed Out		
18.b.	Paper FO on "RM" Loss		
18.c.	Paper FO on "RM" Loss and ETX		
19.d.	96 Character Set		
19.e.	64 Character Set		
19.f.	Ext. ASCII Set		
20.a.	Single LF		
20.b.	Double LF		
21.a.	Lower and Upper Case Print		
21.b.	Lower Case Prints as Upper Case		
22.a.	Lower Case Prints as Error		
22.b.	Lower Case Prints as Upper Case		
39.a.	Forms on		
39.b.	Forms off		
18.a.	Paper Out Not Gated W FF		
18.b.	Paper Out Gated W FF		

DCC — Controller Arrangement Form
HANDLES: 4-KDs & Up To 2-PTRs (2 Print Local)

CARD POSITION	I/O SOCKET	DEVICE	STATION WORK SHEET	DEVICE ADDRESS *					
7	S1	STATION C/C (SCC'	DCC ⟶	A	B	C	D	E	F
7 & 3	S2 & A	KEYBOARD/DISPLAY	DEVICE ROW 1	Sp	F	<	K	Q	;
7 & 4	S3 & B	KEYBOARD/DISPLAY	DEVICE ROW 2	A	G	(	L	R	∧
7	S4	PRINTER (NOTES)	DEVICE ROW 3	B	H	+	M	⌋	—
8 & 5	S5 & C	KEYBOARD/DISPLAY	DEVICE ROW 4	C	I	!	N	$	/
8 & 6	S6 & D	KEYBOARD/DISPLAY	DEVICE ROW 5	D	⌈	&	O	*	s
8	S7	PRINTER (NOTES)	DEVICE ROW 6	E	.	J	P	)	T

*ASCII and EBCDIC graphics
are the same, except for

ASCII	EBCDIC
⌈	♦ (⌐)**
⌋	! (!)
⌋	! (�)
∧	⌐ (¢)

MONITOR

KYBD

MONITOR

KYBD

TO SCC

PRINTER, PRINT LOCAL (See Notes.)

PRINTER, PRINT LOCAL (See Notes.)

MONITOR

KYBD

MONITOR

KYBD

Note 2: If the customer requires that print local operation be prohibited from all KDs, or just one KD, place a 340701 blocking keytop over the PRINT LOCAL position of the appropriate KD opcon(s).
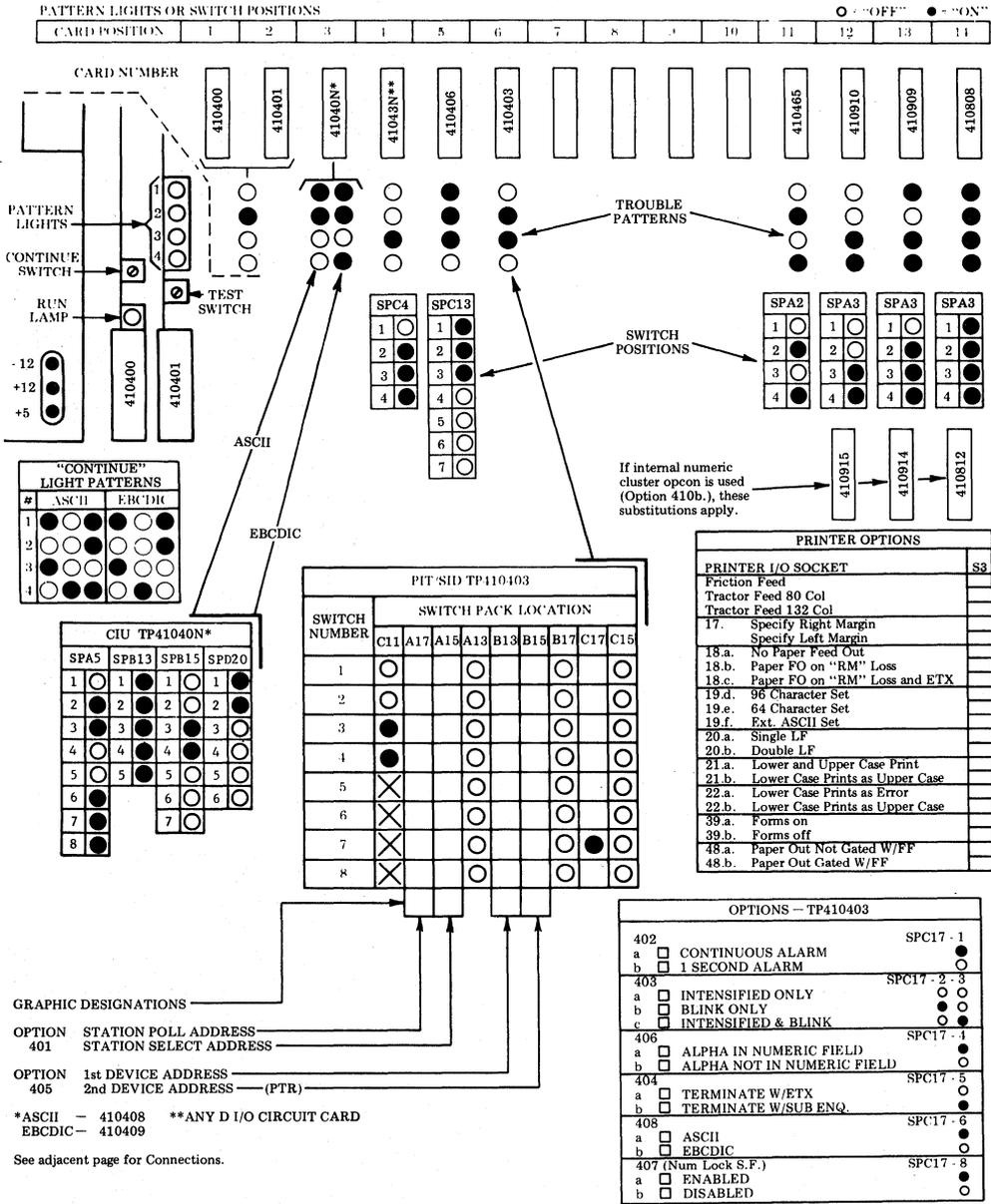
**Characters in parentheses are displayed as the device addresses in local test when using EBCDIC line code.

DCC — Controller Arrangement Form

DCC: A☐ B ☐ C ☐ D ☐ E ☐ F ☐
USOC: 4TV + 4-(4TOX+ OR 4TPX+)
HANDLES: 4-KDs & Up To 2-PTRs (2 Print Local)

PATTERN LIGHTS OR SWITCH POSITIONS   O "OFF"   ● "ON"

CARD POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14

(Note 1)

CARD NUMBER

Card numbers: 410400, 410401, 41043N*, 41043N*, 41043N*, 41043N*, 410406, 410406, 41046N, 41046N, 410509

(Note 2)

PATTERN LIGHTS

CONTINUE SWITCH

RUN LAMP

TEST SWITCH

-12 +12 +5

410400   410401

TROUBLE PATTERNS

SWITCH POSITIONS

SPC4   SPC4   SPC4   SPC4   SPC13   SPC13   SP1   SP1   SPA1

SP1   SP1

410510

When internal numeric cluster opcon is used (Option 410b.), this substitution applies and switches on 41046Ns must be positioned as shown.

"CONTINUE" LIGHT PATTERNS

There are no "CONTINUE" LIGHT PATTERNS

Note 1:   Positions 12 & 13 may contain 2 - 410465s or 2 - 410461s or 1 - 410465 and 1 - 410461.

Note 2:   Same trouble pattern for both 41046Ns. If pattern occurs, replace 41046Ns one at a time until pattern no longer appears.

Note 3:   Printer in I/O socket S4 is print local to KDs in I/O socket S2 & A and S3 & B. Printer in I/O socket S7 is print local to KDs in I/O socket S5 & C and S6 & D. If no printer in I/O socket S7, printer in I/O socket S4 will be print local to all KDs. See Note 4.

*41043N — ANY D I/O CIRCUIT CARD

See adjacent page for Connections and Device Addresses.

PRINTER OPTIONS		
PRINTER I/O SOCKET	S4	S7
Friction Feed		
Tractor Feed 80 Col		
Tractor Feed 132 Col		
17 Specify Right Margin		
Specify Left Margin		
18.a. No Paper Feed Out		
18.b. Paper FO on "RM" Loss		
18.c. Paper FO on "RM" Loss and ETX		
19.d 96 Character Set		
19.e. 64 Character Set		
19.f. Ext. ASCII Set		
20.a. Single LF		
20.b. Double LF		
21.a. Lower and Upper Case Print		
21.b. Lower Case Prints as Upper Case		
22.a. Lower Case Prints as Error		
22.b. Lower Case Prints as Upper Case		
39.a. Forms on		
39.b. Forms off		
48.a. Paper Out Not Gated W/FF		
48.b. Paper Out Gated W FF		

DCC — Controller Arrangement Form
HANDLES: 4-KDs & Up To 2-PTRs (2 Print Local)

CARD POSITION	I/O SOCKET	DEVICE	STATION WORK SHEET	DEVICE ADDRESS *					
7	S1	STATION C/C (SCC'	DCC ⟶	A	B	C	D	E	F
7 & 3	S2 & A	KEYBOARD/DISPLAY	DEVICE ROW 1	Sp	F	<	K	Q	;
7 & 4	S3 & B	KEYBOARD/DISPLAY	DEVICE ROW 2	A	G	(	L	R	∧
7	S4	PRINTER (NOTES)	DEVICE ROW 3	B	H	+	M	]	—
8 & 5	S5 & C	KEYBOARD/DISPLAY	DEVICE ROW 4	C	I	!	N	$	/
8 & 6	S6 & D	KEYBOARD/DISPLAY	DEVICE ROW 5	D	[	&	O	*	S
8	S7	PRINTER (NOTES)	DEVICE ROW 6	E	.	J	P	)	T

*ASCII and EBCDIC graphics are the same, except for

ASCII	EBCDIC
[	¢ (¬)**
!	¦ (!)
]	! (¦)
∧	¬ (¢)

MONITOR
KYBD

TO SCC

MONITOR
KYBD

PRINTER, PRINT LOCAL (See Notes.)

PRINTER, PRINT LOCAL (See Notes.)

MONITOR
KYBD

MONITOR
KYBD

Note 4: If the customer requires that print local operation be prohibited from all KDs, or just one KD, place a 340701 blocking keytop over the PRINT LOCAL position of the appropriate KD opcon(s).

**Characters in parentheses are displayed as the device addresses in local test when using EBCDIC line code.

MCC — Controller Arrangement Form
LINE CODE: ASCII ☐ EBCDIC ☐
USOC: 4TX + (4TOX+ OR 4TPX+)
HANDLES: 1-KD & 1-PTR (Print Local)

PATTERN LIGHTS OR SWITCH POSITIONS   O = "OFF"   ● = "ON"

CARD POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14

CARD NUMBER

Card numbers: 410400, 410401, 41040N*, 41043N**, 410406, 410403, 410465, 410910, 410909, 410808

PATTERN LIGHTS
CONTINUE SWITCH
RUN LAMP
TEST SWITCH

TROUBLE PATTERNS

-12 / +12 / +5

410400 410401

SWITCH POSITIONS

SPC4
1	O
2	●
3	●
4	●

SPC13
1	●
2	●
3	●
4	O
5	O
6	O
7	O

SPA2
1	O
2	●
3	O
4	●

SPA3
1	O
2	O
3	●
4	●

SPA3
1	O
2	●
3	O
4	●

SPA3
1	●
2	●
3	●
4	●

ASCII

If internal numeric cluster opcon is used (Option 410b.), these substitutions apply.

410915 410914 410812

"CONTINUE" LIGHT PATTERNS

#	ASCII	EBCDIC
1	● O O	● O O
2	O O O	● O O
3	● O O	● O O
4	O ● O	O ● O

EBCDIC

CIU TP41040N*

SPA5	SPB13	SPB15	SPD20
1 O	1 ●	1 O	1 ●
2 ●	2 ●	2 O	2 ●
3 O	3 ●	3 ●	3 O
4 O	4 ●	4 ●	4 O
5 O	5 ●	5 O	5 O
6 ●		6 O	6 O
7 ●		7 O	
8 ●			

PIT/SID TP410403

SWITCH NUMBER	SWITCH PACK LOCATION								
	C11	A17	A15	A13	B13	B15	B17	C17	C15
1	O		O			O		O	O
2	O		O			O		O	O
3	●		O			O		O	O
4	O		O			O		O	O
5	X		O			O		O	O
6	X		O			O		O	O
7	X		O			O		● O	O
8	X		O			O		O	O

PRINTER OPTIONS

PRINTER I/O SOCKET	S3
Friction Feed	
Tractor Feed 80 Col	
Tractor Feed 132 Col	
17. Specify Right Margin	
Specify Left Margin	
18.a. No Paper Feed Out	
18.b. Paper FO on "RM" Loss	
18.c. Paper FO on "RM" Loss and ETX	
19.d. 96 Character Set	
19.e. 64 Character Set	
19.f. Ext. ASCII Set	
20.a. Single LF	
20.b. Double LF	
21.a. Lower and Upper Case Print	
21.b. Lower Case Prints as Upper Case	
22.a. Lower Case Prints as Error	
22.b. Lower Case Prints as Upper Case	
39.a. Forms on	
39.b. Forms off	
48.a. Paper Out Not Gated W/FF	
48.b. Paper Out Gated W/FF	

GRAPHIC DESIGNATIONS

OPTION   STATION POLL ADDRESS
401   STATION SELECT ADDRESS

OPTION   1st DEVICE ADDRESS
405   2nd DEVICE ADDRESS ——(PTR)——

*ASCII — 410408   **ANY D I/O CIRCUIT CARD
 EBCDIC — 410409

See adjacent page for Connections.

OPTIONS — TP410403

402		SPC17 - 1
a ☐ CONTINUOUS ALARM		●
b ☐ 1 SECOND ALARM		O
403		SPC17 - 2 - 3
a ☐ INTENSIFIED ONLY		O O
b ☐ BLINK ONLY		● O
c ☐ INTENSIFIED & BLINK		O ●
406		SPC17 - 4
a ☐ ALPHA IN NUMERIC FIELD		●
b ☐ ALPHA NOT IN NUMERIC FIELD		O
404		SPC17 - 5
a ☐ TERMINATE W/ETX		O
b ☐ TERMINATE W/SUB ENQ.		●
408		SPC17 - 6
a ☐ ASCII		●
b ☐ EBCDIC		O
407 (Num Lock S.F.)		SPC17 - 8
a ☐ ENABLED		●
b ☐ DISABLED		O

MCC — Controller Arrangement Form
HANDLES: 1-KD & 1-PTR (Print Local)

CARD POSITION	I/O SOCKET	STATION WORK SHEET
3	DS	DATA SET
4 & 5	S2-B	KEYBOARD/MON. (1)
5	S3	PRINTER (2)
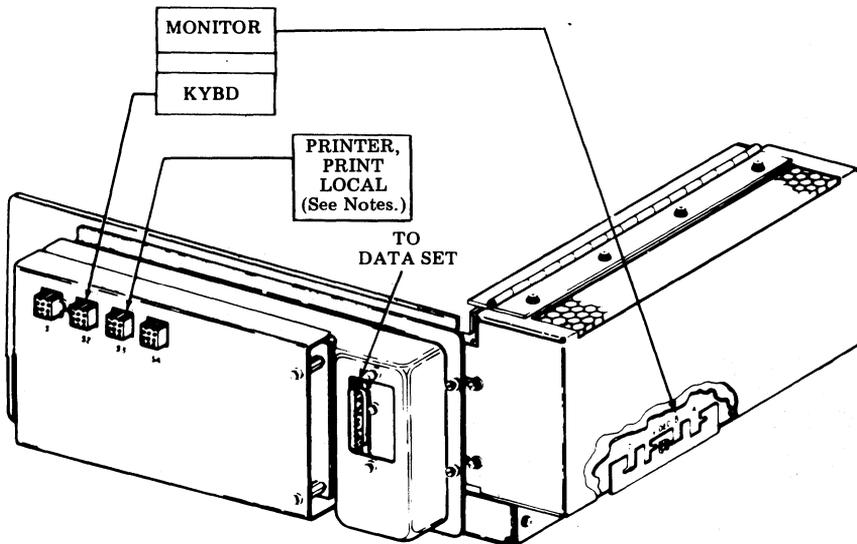
Note 1: If the customer requires that print local operation be prohibited form the KD, place a 340701 over the PRINT LOCAL position of the KD opcon. Another method is to connect the printer to S4, option 410403 so that the third device address (B17) is the printer address, and turn all B15 switches off.

Note 2: If printer is not part of station, option all B15 switches off.

MCC — Controller Arrangement Form
LINE CODE: ASCII ☐ EBCDIC
USOC: 4TX + (4TOX+ OR 4TPX+)
HANDLES: 1-KD & 1-PTR (Print Local)

PATTERN LIGHTS OR SWITCH POSITIONS   ○ "OFF" ● "ON"

CARD POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14

(Note)

CARD NUMBER: 410400, 410401, 410411, 41043N*, 410406, 41046N, 410910, 410909, 410808

PATTERN LIGHTS
CONTINUE SWITCH
TEST SWITCH
RUN LAMP

-12 +12 +5

410400 410401

TROUBLE PATTERNS

SWITCH POSITIONS

SPC4: 1○ 2● 3● 4○ 5○ 6○ 7○
SPC13: 1● 2● 3● 4○ 5○ 6○ 7○
SP1: 1○ 2● 3○ 4●
SPA3: 1○ 2○ 3● 4●
SPA3: 1○ 2● 3● 4●
SPA3: 1● 2● 3● 4●

If internal numeric cluster opcon is used (Option 410b.), these substitutions apply.

410915 410914 410812
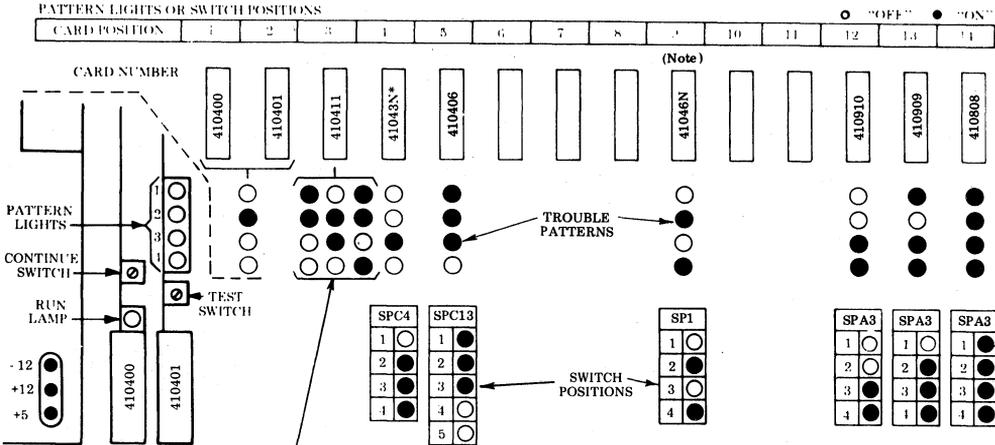
"CONTINUE" LIGHT PATTERNS
#		
1	●	○
2	○	○
3	●	○
4	○	●

Note: Position 9 may contain 410465 or 410461.

CIU/PIT/SID   TP410411

SWITCH NUMBER	SWITCH PACK LOCATION									
	A21	B12	B1	B2	B3	B4	B5	B6	B7	B8
1	○	●		○		○		○		○
2	○	●		○		○		○		○
3	○	●		○		○		○		○
4	○	○		○		○		○		○
5	○	●		○		○		○		○
6	○	●		○		○		○		○
7	○	●		○		○	●	○		○
8	○	●		○		○		○		○
9	○									

GRAPHIC DESIGNATIONS

OPTION 401 STATION POLL ADDRESS
STATION SELECT ADDRESS
OPTION 405 1st DEVICE ADDRESS
2nd DEVICE ADDRESS

PRINTER OPTIONS
PRINTER I/O SOCKET	S3
Friction Feed	
Tractor Feed 80 Col	
Tractor Feed 132 Col	
17. Specify Right Margin	
Specify Left Margin	
18.a. No Paper Feed Out	
18.b. Paper FO on "RM" Loss	
18.c. Paper FO on "RM" Loss and ETX	
19.d. 96 Character Set	
19.e. 64 Character Set	
19.f. Ext. ASCII Set	
20.a. Single LF	
20.b. Double LF	
21.a. Lower and Upper Case Print	
21.b. Lower Case Prints as Upper Case	
22.a. Lower Case Prints as Error	
22.b. Lower Case Prints as Upper Case	
39.a. Forms on	
39.b. Forms off	
48.a. Paper Out Not Gated W/FF	
48.b. Paper Out Gated W/FF	

*ANY D I/O CIRCUIT CARD

Caution: PROMs 450013, 450014, 450015 and 450016 on 410808 (if used) must be issue 3 or later.

OPTIONS — 410411
402		SPB7-1
a ☐ CONTINUOUS ALARM		●
b ☐ 1 SECOND ALARM		○

403		SPB7-2 –3
a ☐ INTENSIFIED ONLY		○ ○
b ☐ BLINK ONLY		● ●
c ☐ INTENSIFIED & BLINK		○ ●

406		SPB7-4
a ☐ ALPHA IN NUMERIC FIELD		●
b ☐ ALPHA NOT IN NUMERIC FIELD		○

404		SPB7-5
a ☐ TERMINATE W/ETX		○
b ☐ TERMINATE W/SUB ENQ.		●

408		SPB7-6
a ☐ ASCII		●
b ☐ EBCDIC		○

407 (Num Lock S.F.)		SPB7-8
a ☐ ENABLED		●
b ☐ DISABLED		○

See adjacent page for Connections.

MCC — Controller Arrangement Form
HANDLES: 1-KD & Up To 1-PTR (1 Print Local)

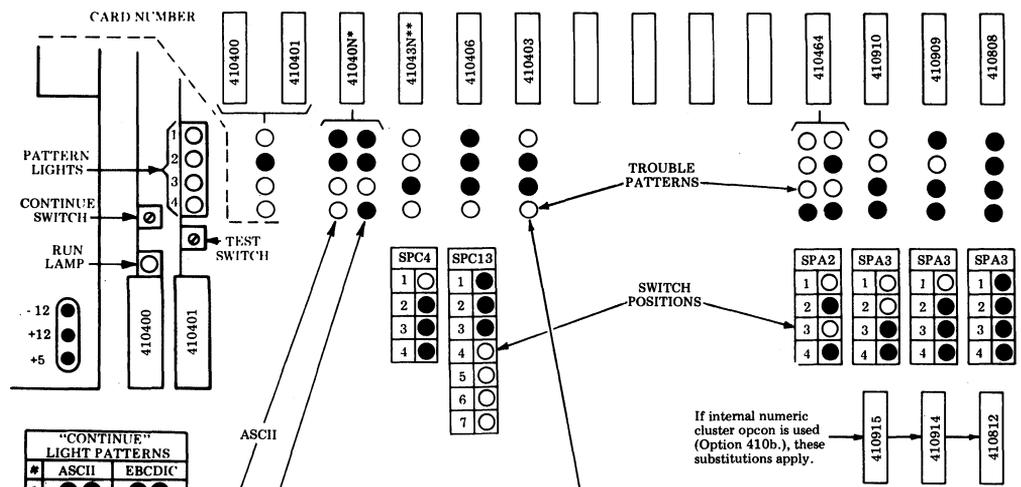| CARD POSITION	I/O SOCKET	DEVICE
3	DS	DATA SET
4 & 5	S2-B	KEYBOARD/MON. (1)
5	S3	PRINTER (2)

Note 1:   If the customer requires that print local operation be prohibited from the KD, place a 340701 blocking keytop over the PRINT LOCAL position of the KD opcon. Another method is to connect the printer to S4, option 410411 so that the third device address (B6) is the printer address, and turn all B5 switches off.

Note 2:   If printer is not part of station, option B5 switches off on 410411 circuit card.

MCC — Controller Arrangement Form
LINE CODE: ASCII ▢ EBCDIC▢
USOC: 4TX + (4TOX + OR 4TPX+)
HANDLES: 1-KD & 2 PTRs (1 Print Local)

PATTERN LIGHTS OR SWITCH POSITIONS ○ "OFF" ● "ON"

CARD POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14

(Note)

CARD NUMBER: 410400, 410401, 41040N*, 41043N**, 410406, 410403, 41046N, 41046N, 410910, 410909, 410808

PATTERN LIGHTS
CONTINUE SWITCH
RUN LAMP
TEST SWITCH

-12 +12 +5

TROUBLE PATTERNS
SWITCH POSITIONS

SPC4, SPC13, SP1, SP1, SPA3, SPA3, SPA3

EBCDIC
ASCII

If internal numeric cluster opcon is used (Option 410b.), these substitutions apply. → 410915 → 410914 → 410812

"CONTINUE" LIGHT PATTERNS
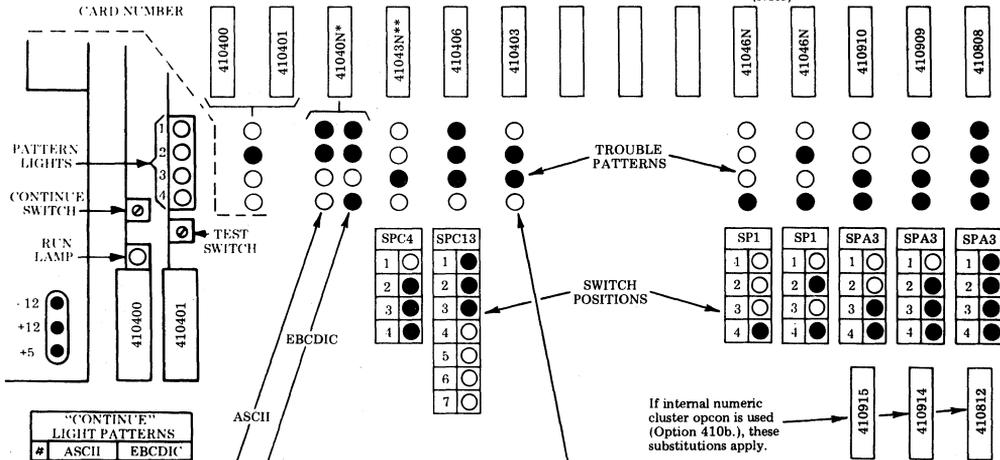
#	ASCII	EBCDIC
1	●●	●●
2	●○	○○
3	●○	●○
4	●○	○○

CIU TP41040N*

SPA5	SPB13	SPB15	SPD20
1 ○	1 ●	1 ○	1 ●
2 ●	2 ●	2 ○	2 ●
3 ●	3 ●	3 ●	3 ○
4 ●	4 ●	4 ●	4 ○
5 ●	5 ●	5 ○	5 ○
6 ●		6 ○	6 ○
7 ●		7 ○	
8 ●			

GRAPHIC DESIGNATIONS

OPTION — STATION POLL ADDRESS
401 STATION SELECT ADDRESS

1st DEVICE ADDRESS
OPTION 2nd DEVICE ADDRESS —— (PTR)
405 3rd DEVICE ADDRESS —— (PTR)

*ASCII — 410408
EBCDIC — 410409

**ANY D I/O CIRCUIT CARD

See adjacent page for Connections.

Note: Positions 10 and 11 may contain 2 - 410465s or 2 - 410461s or 1 - 410465 and 1 - 410461.

PIT/SID TP410403

SWITCH NUMBER	SWITCH PACK LOCATION								
	CII	A17	A15	A13	B13	B15	B17	C17	C15
1	○		○						○
2	○		○						○
3	●		○						○
4	●		○						○
5	✕		○						○
6	✕		○						○
7	✕		○				●		○
8	✕		○						○

PRINTER OPTIONS

	S3	S4
PRINTER I/O SOCKET		
Friction Feed		
Tractor Feed 80 Col		
Tractor Feed 132 Col		
17. Specify Right Margin		
Specify Left Margin		
18.a. No Paper Feed Out		
18.b. Paper FO on "RM" Loss		
18.c. Paper FO on "RM" Loss and ETX		
19.d. 96 Character Set		
19.e. 64 Character Set		
19.f. Ext. ASCII Set		
20.a. Single LF		
20.b. Double LF		
21.a. Lower and Upper Case Print		
21.b. Lower Case Prints as Upper Case		
22.a. Lower Case Prints as Error		
22.b. Lower Case Prints as Upper Case		
39.a. Forms on		
39.b. Forms off		
48.a. Paper Out Not Gated W/FF		
48.b. Paper Out Gated W/FF		

OPTIONS -- TP410403

402		SPC17 - 1	
a	▢ CONTINUOUS ALARM		●
b	▢ 1 SECOND ALARM		○
403		SPC17 - 2 - 3	
a	▢ INTENSIFIED ONLY	○ ●	
b	▢ BLINK ONLY	● ○	
c	▢ INTENSIFIED & BLINK	● ●	
406		SPC17 - 1	
a	▢ ALPHA IN NUMERIC FIELD		●
b	▢ ALPHA NOT IN NUMERIC FIELD		○
404		SPC17 - 5	
a	▢ TERMINATE W/ETX		○
b	▢ TERMINATE W/SUB ENQ.		●
408		SPC17 - 6	
a	▢ ASCII		●
b	▢ EBCDIC		○
407 (Num Lock S.F.)		SPC17 - 8	
a	▢ ENABLED		●
b	▢ DISABLED		○

MCC — Controller Arrangement Form
HANDLES: 1-KD & 2-PTRs (1 Print Local)

CARD POSITION	I/O SOCKET	DEVICE
3	DS	DATA SET
4 & 5	S2-B	KEYBOARD/MON. (1)
5	S3	PRINTER (2)
5	S4	PRINTER (3)

Note 1: If the customer requires that print local operation be prohibited from the KD, place a 340701 blocking keytop over the PRINT LOCAL position of the KD opcon.

Note 2: If only one printer is part of the order and the customer requires that print local operation be prohibited from the KD, another method can be used: connect printer to S4, option 410403 card for third device address (B17) to be the printer address, and turn all B15 switches off.

MCC — Controller Arrangement Form
LINE CODE: ASCII ☐ EBCDIC ☐
USOC: 4TX + (4TOX+ OR 4TPX+)
HANDLES: 1-KD & 2 PTRs (1 Print Local)

PATTERN LIGHTS OR SWITCH POSITIONS   O "OFF"   ● "ON"

CARD POSITION: 1 2 3 4 5 6 7 8 9 10 11 12 13 14

CARD NUMBER

Card numbers: 410400, 410401, 41040N*, 41043N**, 410406, 410403, 410464, 410910, 410909, 410808

PATTERN LIGHTS
CONTINUE SWITCH
RUN LAMP
TEST SWITCH

-12 +12 +5

410400 410401

TROUBLE PATTERNS

SWITCH POSITIONS

SPC4 / SPC13

SPA2 / SPA3 / SPA3 / SPA3

If internal numeric cluster opcon is used (Option 410b.), these substitutions apply.

410915 410914 410812

"CONTINUE" LIGHT PATTERNS

#	ASCII	EBCDIC
1	●●	●●
2	●○	●○
3	○●	○●
4	●○	○○

ASCII
EBCDIC

CIU TP41040N*

	SPA5	SPB13	SPB15	SPD20
1	○	●	●	●
2	●	●	○	●
3	●	●	●	○
4	○	●	●	●
5	●	○	○	○
6	●		●	○
7	●		○	
8	●			

PIT/SID TP410403

SWITCH NUMBER	SWITCH PACK LOCATION								
	C11	A17	A15	A13	B13	B15	B17	C17	C15
1	O			O					O
2	O			O					O
3	●			O					O
4	●			O					O
5	✕			O					O
6	✕			O					O
7	✕			O				●	O
8	✕			O					O

PRINTER OPTIONS

PRINTER I/O SOCKET	S3	S4
Friction Feed		
Tractor Feed 80 Col		
Tractor Feed 132 Col		
17. Specify Right Margin		
Specify Left Margin		
18.a. No Paper Feed Out		
18.b. Paper FO on "RM" Loss		
18.c. Paper FO on "RM" Loss and ETX		
19.d. 96 Character Set		
19.e. 64 Character Set		
19.f. Ext. ASCII Set		
20.a. Single LF		
20.b. Double LF		
21.a. Lower and Upper Case Print		
21.b. Lower Case Prints as Upper Case		
22.a. Lower Case Prints as Error		
22.b. Lower Case Prints as Upper Case		
39.a. Forms on		
39.a. Forms off		
48.a. Paper Out Not Gated W/FF		
48.b. Paper Out Gated W/FF		

GRAPHIC DESIGNATIONS

OPTION — STATION POLL ADDRESS
401   STATION SELECT ADDRESS

        1st DEVICE ADDRESS
OPTION   2nd DEVICE ADDRESS (PTR)
405   3rd DEVICE ADDRESS (PTR)

*ASCII   — 410408
 EBCDIC   — 410409

**ANY D I/O CIRCUIT CARD

See adjacent page for Connections.

OPTIONS — TP410403

402		SPC17 - 1
a	☐ CONTINUOUS ALARM	●
b	☐ 1 SECOND ALARM	O

403		SPC17 - 2 - 3
a	☐ INTENSIFIED ONLY	● O
b	☐ BLINK ONLY	● ●
c	☐ INTENSIFIED & BLINK	O ●

406		SPC17 - 1
a	☐ ALPHA IN NUMERIC FIELD	●
b	☐ ALPHA NOT IN NUMERIC FIELD	O

404		SPC17 - 5
a	☐ TERMINATE W/ETX	O
b	☐ TERMINATE W/SUB ENQ.	●

408		SPC17 - 6
a	☐ ASCII	●
b	☐ EBCDIC	O

407 (Num Lock S.F.)		SPC17 - 8
a	☐ ENABLED	●
b	☐ DISABLED	O

MCC — Controller Arrangement Form
HANDLES: 1-KD & 2-PTRs (1 Print Local)

CARD POSITION	I/O SOCKET	DEVICE
3	DS	DATA SET
4 & 5	S2-B	KEYBOARD/MON. (1)
5	S3	PRINTER (2)
5	S4	PRINTER (3)

Note 1: If the customer requires that print local operation be prohibited from the KD, place a 340701 blocking keytop over the PRINT LOCAL position of the KD opcon.
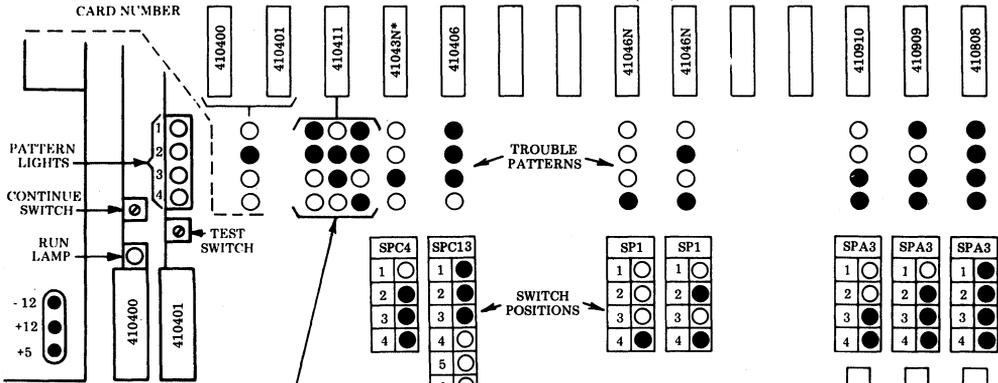
Note 2: If only one printer is part of the order and the customer requires that print local operation be prohibited from the KD, another method can be used: connect printer to S4, option 410403 card for third device address (B17) to be the printer address, and turn all B15 switches off.

MCC — Controller Arrangement Form
LINE CODE: ASCII ☐ EBCDIC ☐
USOC: 4TX + (4TOX+ OR 4TPX+)
HANDLES: 1-KD & 2 PTRs (1 Print Local)

PATTERN LIGHTS OR SWITCH POSITIONS   O - "OFF"   ● - "ON"

CARD POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14

(Note)

CARD NUMBER

Card numbers: 410400, 410401, 410411, 41043N*, 410406, 41046N, 41046N, 410910, 410909, 410808

PATTERN LIGHTS — 1 2 3 4
CONTINUE SWITCH
RUN LAMP — TEST SWITCH

-12 +12 +5

410400 410401

SPC4 SPC13   TROUBLE PATTERNS   SP1 SP1   SPA3 SPA3 SPA3

SWITCH POSITIONS

If internal numeric cluster opcon is used (Option 410b.), these substitutions apply.

410915 410914 410812

"CONTINUE" LIGHT PATTERNS

#	
1	●
2	O
3	●
4	O

Note: Positions 8 & 9 may contain 2 - 410465s or 2 - 410461s or 1 - 410465 and 1 - 410461.

CIU/PIT/SID   TP410411

SWITCH NUMBER	SWITCH PACK LOCATION									
	A21	B12	B1	B2	B3	B4	B5	B6	B7	B8
1	O	●			O					O
2	O	●			O					O
3	O	●			O					O
4	O	O			O					O
5	O	O			O					O
6	O	●			O					O
7	O	●			O				●	O
8	O	●			O					O
9	O									

GRAPHIC DESIGNATIONS

OPTION 401   STATION POLL ADDRESS
      STATION SELECT ADDRESS
OPTION 405   1st DEVICE ADDRESS
      2nd DEVICE ADDRESS (PTR)
      3rd DEVICE ADDRESS (PTR)

*ANY D I/O CIRCUIT CARD

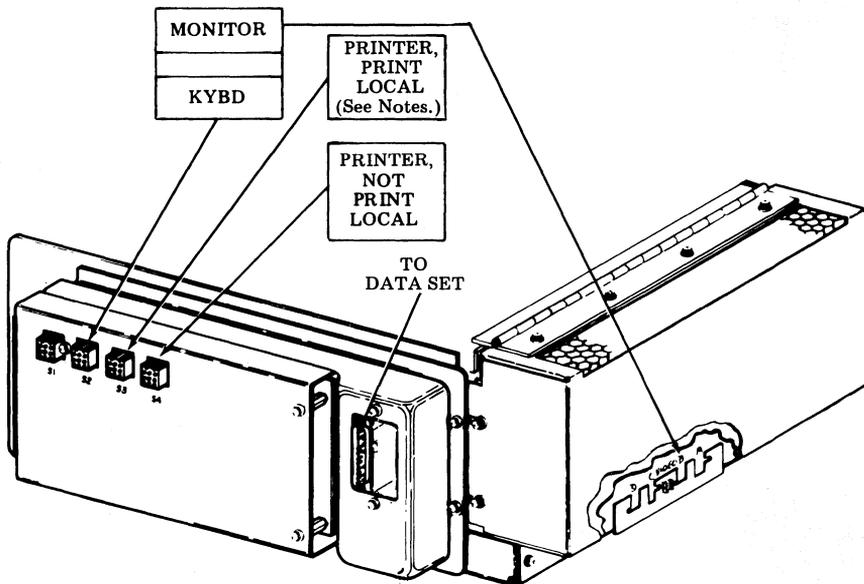*Caution:* PROMs 450013, 450014, 450015 & 450016 on 410808 (if used) must be issue 3 or later.

See adjacent page for Connections.

PRINTER OPTIONS

PRINTER I/O SOCKET		S3	S4
Friction Feed			
Tractor Feed 80 Col			
Tractor Feed 132 Col			
17.	Specify Right Margin		
	Specify Left Margin		
18.a.	No Paper Feed Out		
18.b.	Paper FO on "RM" Loss		
18.c.	Paper FO on "RM" Loss and ETX		
19.d.	96 Character Set		
19.e.	64 Character Set		
19.f.	Ext. ASCII Set		
20.a.	Single LF		
20.b.	Double LF		
21.a.	Lower and Upper Case Print		
21.b.	Lower Case Prints as Upper Case		
22.a.	Lower Case Prints as Error		
22.b.	Lower Case Prints as Upper Case		
39.a.	Forms on		
39.b.	Forms off		
48.a.	Paper Out Not Gated W/FF		
48.b.	Paper Out Gated W/FF		

OPTIONS — 410411

		SPB7-1	
402			
a	☐ CONTINUOUS ALARM	●	
b	☐ 1 SECOND ALARM	O	
403		SPB7-2 —3	
a	☐ INTENSIFIED ONLY	O O	
b	☐ BLINK ONLY	● ●	
c	☐ INTENSIFIED & BLINK	O ●	
406		SPB7-4	
a	☐ ALPHA IN NUMERIC FIELD		
b	☐ ALPHA NOT IN NUMERIC FIELD	O	

404		SPB7-5
a	☐ TERMINATE W/ETX	O
b	☐ TERMINATE W/SUB ENQ.	●
408		SPB7-6
a	☐ ASCII	●
b	☐ EBCDIC	O
407 (Num Lock S.F.)		SPB7-8
a	☐ ENABLED	
b	☐ DISABLED	O

MCC — Controller Arrangement Form
HANDLES: 1-KD & Up To 2-PTRs (1 Print Local)

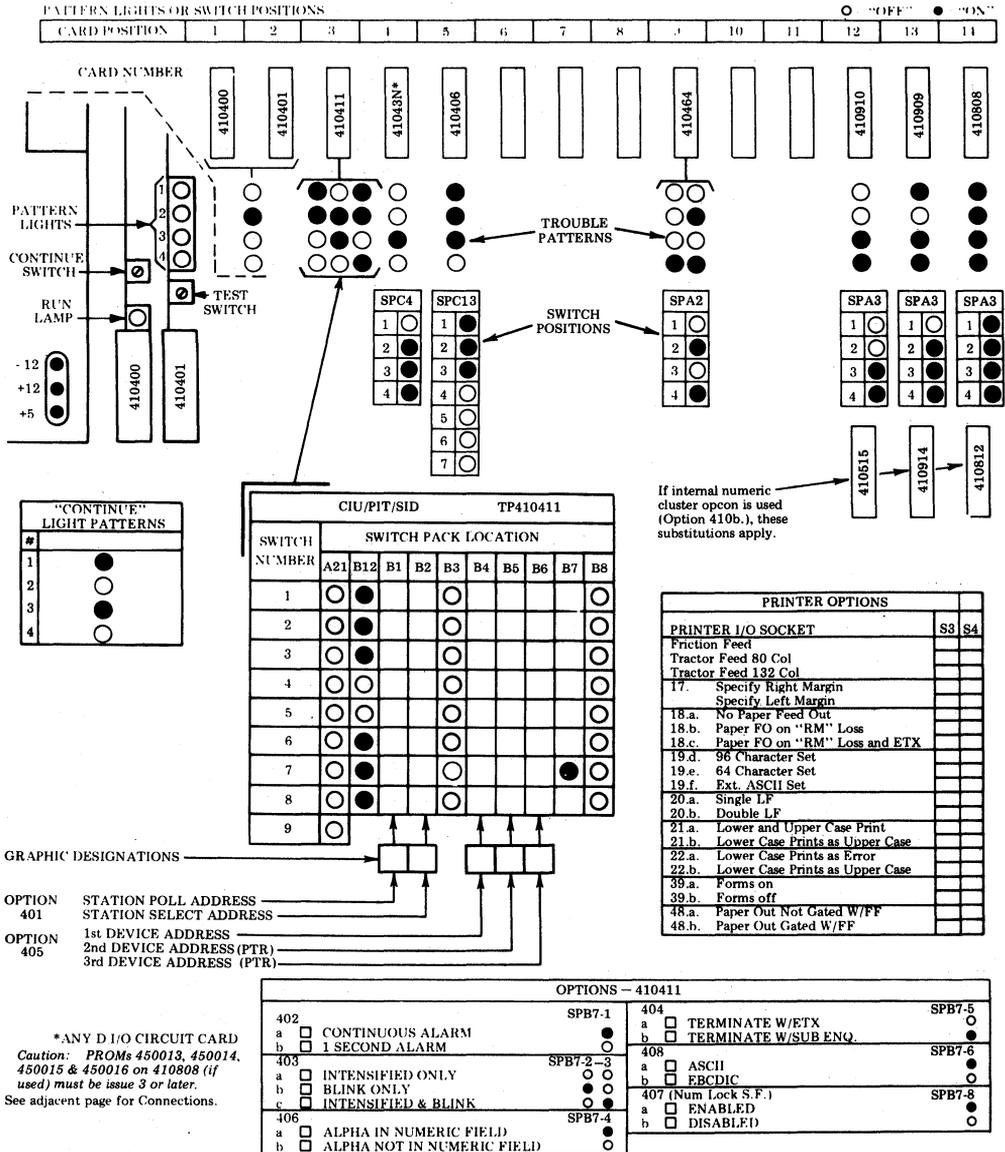| CARD POSITION	I/O SOCKET	DEVICE
3	DS	DATA SET
4 & 5	S2-B	KEYBOARD/MON. (1)
5	S3	PRINTER (2)
5	S4	PRINTER (3)

Note 1: If the customer requires that print local operation be prohibited from the KD, place a 340701 blocking keytop over the PRINT LOCAL position of the KD opcon.

Note 2: If only one printer is part of the order and the customer requires that print local operation be prohibited from the KD, another method can be used: connect printer to S4, option 410411 card for third device address (B6) to be the printer address, and turn all B5 switches off.

Note 3: If printers are not part of station, option B5 and B6 switches off on 410411 circuit card.
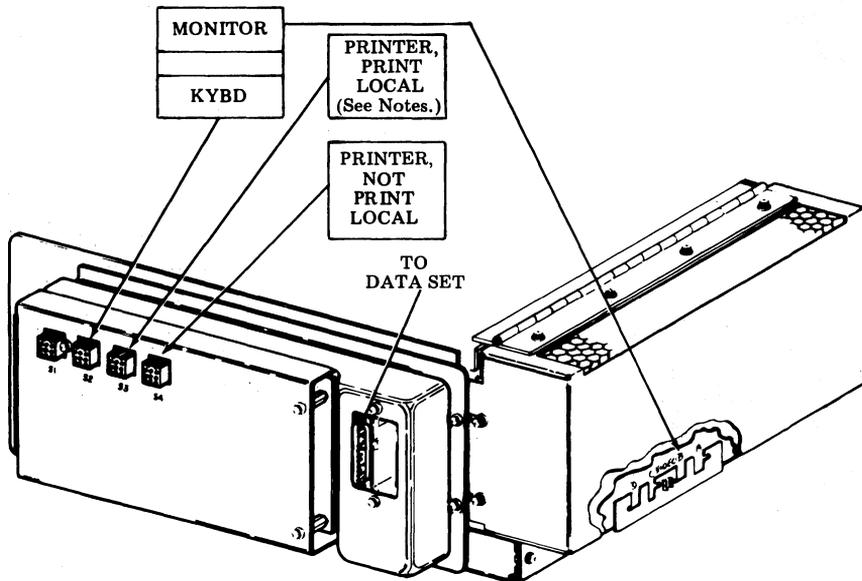
MCC — Controller Arrangement Form
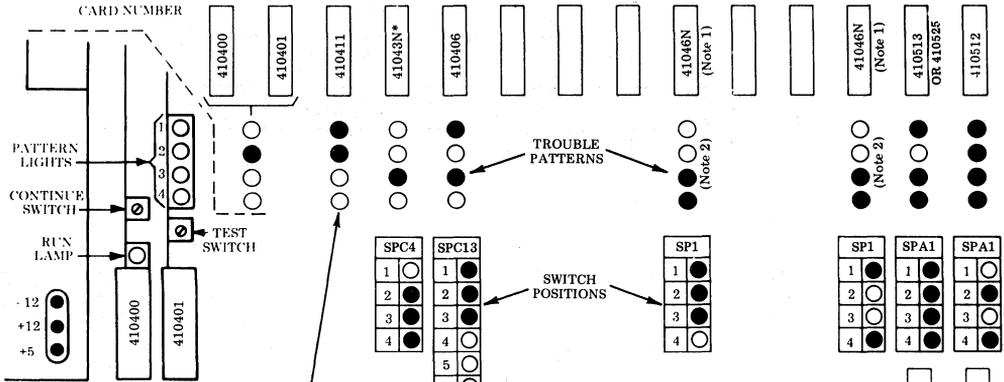**LINE CODE:** ASCII   EBCDIC ☐
USOC: 4TX+ (4TOX+ OR 4TPX+)
HANDLES: 1-KD & 2 PTRs (1 Print Local)

PATTERN LIGHTS OR SWITCH POSITIONS   O "OFF"   ● "ON"

CARD POSITION: 1 2 3 4 5 6 7 8 9 10 11 12 13 14

CARD NUMBER: 410400 410401 410411 4043N* 410406 410464 410910 410909 410808

PATTERN LIGHTS
CONTINUE SWITCH
RUN LAMP
TEST SWITCH
-12 +12 +5
410400 410401

TROUBLE PATTERNS
SWITCH POSITIONS

SPC4 / SPC13 / SPA2 / SPA3 / SPA3 / SPA3

If internal numeric cluster opcon is used (Option 410b.), these substitutions apply.
410515 410914 410812

"CONTINUE" LIGHT PATTERNS
1 ● 2 O 3 ● 4 O

CIU/PIT/SID   TP410411

SWITCH NUMBER	SWITCH PACK LOCATION									
	A21	B12	B1	B2	B3	B4	B5	B6	B7	B8
1	O	●			O					O
2	O	●			O					O
3	O	●			O					O
4	O	O			O					O
5	O	O			O					O
6	O	●			O					O
7	O	O			O				●	O
8	O	●			O					O
9	O									

GRAPHIC DESIGNATIONS

OPTION 401: STATION POLL ADDRESS / STATION SELECT ADDRESS
OPTION 405: 1st DEVICE ADDRESS / 2nd DEVICE ADDRESS (PTR) / 3rd DEVICE ADDRESS (PTR)

PRINTER OPTIONS

PRINTER I/O SOCKET	S3	S4
Friction Feed		
Tractor Feed 80 Col		
Tractor Feed 132 Col		
17. Specify Right Margin		
Specify Left Margin		
18.a. No Paper Feed Out		
18.b. Paper FO on "RM" Loss		
18.c. Paper FO on "RM" Loss and ETX		
19.d. 96 Character Set		
19.e. 64 Character Set		
19.f. Ext. ASCII Set		
20.a. Single LF		
20.b. Double LF		
21.a. Lower and Upper Case Print		
21.b. Lower Case Prints as Upper Case		
22.a. Lower Case Prints as Error		
22.b. Lower Case Prints as Upper Case		
39.a. Forms on		
39.b. Forms off		
48.a. Paper Out Not Gated W/FF		
48.b. Paper Out Gated W/FF		

*ANY D I/O CIRCUIT CARD
Caution: PROMs 450013, 450014, 450015 & 450016 on 410808 (if used) must be issue 3 or later.
See adjacent page for Connections.

OPTIONS — 410411

402	SPB7-1	404	SPB7-5
a ☐ CONTINUOUS ALARM	●	a ☐ TERMINATE W/ETX	O
b ☐ 1 SECOND ALARM	O	b ☐ TERMINATE W/SUB ENQ.	●
403	SPB7-2—3	408	SPB7-6
a ☐ INTENSIFIED ONLY	O O	a ☐ ASCII	●
b ☐ BLINK ONLY	● O	b ☐ EBCDIC	O
c ☐ INTENSIFIED & BLINK	O ●	407 (Num Lock S.F.)	SPB7-8
406	SPB7-4	a ☐ ENABLED	●
a ☐ ALPHA IN NUMERIC FIELD	●	b ☐ DISABLED	O
b ☐ ALPHA NOT IN NUMERIC FIELD	O		

MCC — Controller Arrangement Form
HANDLES: 1-KD & Up To 2-PTRs (1 Print Local)

CARD POSITION	I/O SOCKET	DEVICE
3	DS	DATA SET
4 & 5	S2-B	KEYBOARD/MON. (1)
5	S3	PRINTER (2)
5	S4	PRINTER (3)

Note 1: If the customer requires that print local operation be prohibited from the KD, place a 340701 blocking keytop over the PRINT LOCAL position of the KD opcon.

Note 2: If only one printer is part of the order and the customer requires that print local operation be prohibited from the KD, another method can be used: connect printer to S4, option 410411 card for third device address (B6) to be the printer address, and turn all B5 switches off.

Note 3: If printers are not part of station, option B5 and B6 switches off on 410411 circuit card.

MCC — Controller Arrangement Form
LINE CODE: ASCII ☐   EBCDIC ☐
USOC: 4TX + (4TOX+ OR 4TPX+)
HANDLES: 1-KD & 2 PTRs (1 Print Local)

PATTERN LIGHTS OR SWITCH POSITIONS   O = "OFF"   ● = "ON"

CARD POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14

CARD NUMBER

| | 410400 | 410401 | 410411 | 41043N* | 410406 | | | | | 41046N (Note 1) | | 41046N (Note 1) | 410513 OR 410525 | 410512 |

PATTERN LIGHTS
1 2 3 4

CONTINUE SWITCH

RUN LAMP

TEST SWITCH

TROUBLE PATTERNS
(Note 2)
(Note 2)

-12 +12 +5

410400 410401

SWITCH POSITIONS

SPC4		SPC13	
1	O	1	●
2	●	2	●
3	●	3	●
4	●	4	O
		5	O
		6	O
		7	O

SP1	
1	●
2	●
3	O
4	O

SP1		SPA1		SPA1	
1	O	1	●	1	O
2	O	2	●	2	O
3	O	3	●	3	O
4	●	4	●	4	●

If internal numeric cluster opcon is used (Option 410b.), these substitutions apply.

410515   410514

"CONTINUE" LIGHT PATTERNS

#	
1	O
2	●
3	●
4	O

Note 1: Positions 9 & 12 may contain 2 - 410465s or 2 - 410461s or 1 - 410465 & 1 - 410461.

Note 2: Same trouble pattern for both 41046Ns. If pattern occurs, replace 41046Ns one at a time until pattern no longer appears.

	CIU/PIT/SID				TP410411					
SWITCH NUMBER	SWITCH PACK LOCATION									
	A21	B12	B1	B2	B3	B4	B5	B6	B7	B8
1	O	●		O						O
2	O	●		O						O
3	O	●		O						O
4	O	O		O						O
5	O	●		O						O
6	O	●		O						O
7	O	●		O						O
8	O	●		O						O
9	O									

GRAPHIC DESIGNATIONS

OPTION 401   STATION POLL ADDRESS
              STATION SELECT ADDRESS

OPTION 405   1st DEVICE ADDRESS
              2nd DEVICE ADDRESS (PTR)
              3rd DEVICE ADDRESS (PTR)

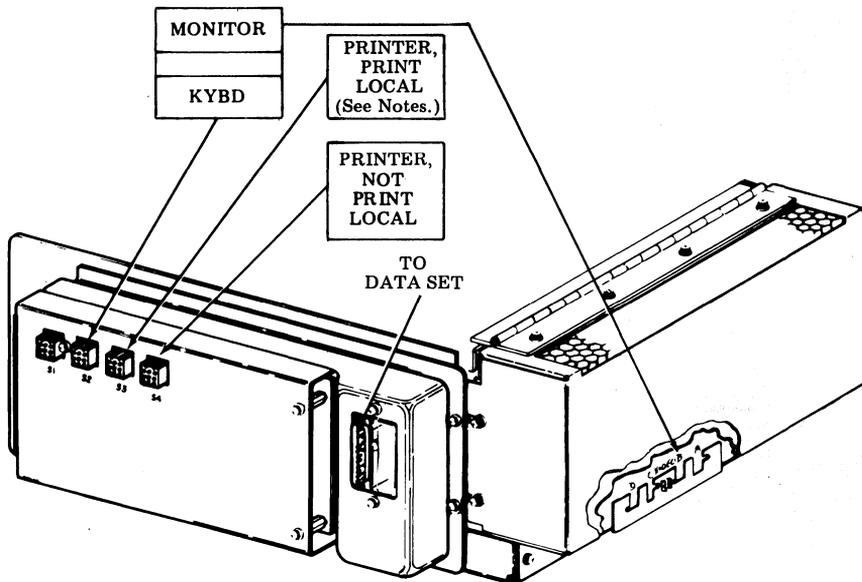| PRINTER OPTIONS		
PRINTER I/O SOCKET	S3	S4
Friction Feed		
Tractor Feed 80 Col		
Tractor Feed 132 Col		
17. Specify Right Margin		
Specify Left Margin		
18.a. No Paper Feed Out		
18.b. Paper FO on "RM" Loss		
18.c. Paper FO on "RM" Loss and ETX		
19.d. 96 Character Set		
19.e. 64 Character Set		
19.f. Ext. ASCII Set		
20.a. Single LF		
20.b. Double LF		
21.a. Lower and Upper Case Print		
21.b. Lower Case Prints as Upper Case		
22.a. Lower Case Prints as Error		
22.b. Lower Case Prints as Upper Case		
39.a. Forms on		
39.b. Forms off		
48.a. Paper Out Not Gated W/FF		
48.b. Paper Out Gated W/FF		

OPTIONS — 410411			
402	SPB7-1	404	SPB7-5
a ☐ CONTINUOUS ALARM	●	a ☐ TERMINATE W/ETX	O
b ☐ 1 SECOND ALARM	O	b ☐ TERMINATE W/SUB ENQ.	●
403	SPB7-2 -3	408	SPB7-6
a ☐ INTENSIFIED ONLY	O O	a ☐ ASCII	●
b ☐ BLINK ONLY	● O	b ☐ EBCDIC	O
c ☐ INTENSIFIED & BLINK	O ●	407 (Num Lock S.F.)	SPB7-8
		a ☐ ENABLED	●
406	SPB7-4	b ☐ DISABLED	O
a ☐ ALPHA IN NUMERIC FIELD	●	414 BUFFER LOCK	SPB7-7
b ☐ ALPHA NOT IN NUMERIC FIELD	O	a ☐ ENABLED	●
		b ☐ DISABLED (REQUIRES 410525)	O

*ANY D I/O CIRCUIT CARD

See adjacent page for Connections.

MCC — Controller Arrangement Form
HANDLES: 1-KD & Up To 2-PTRs (1 Print Local)

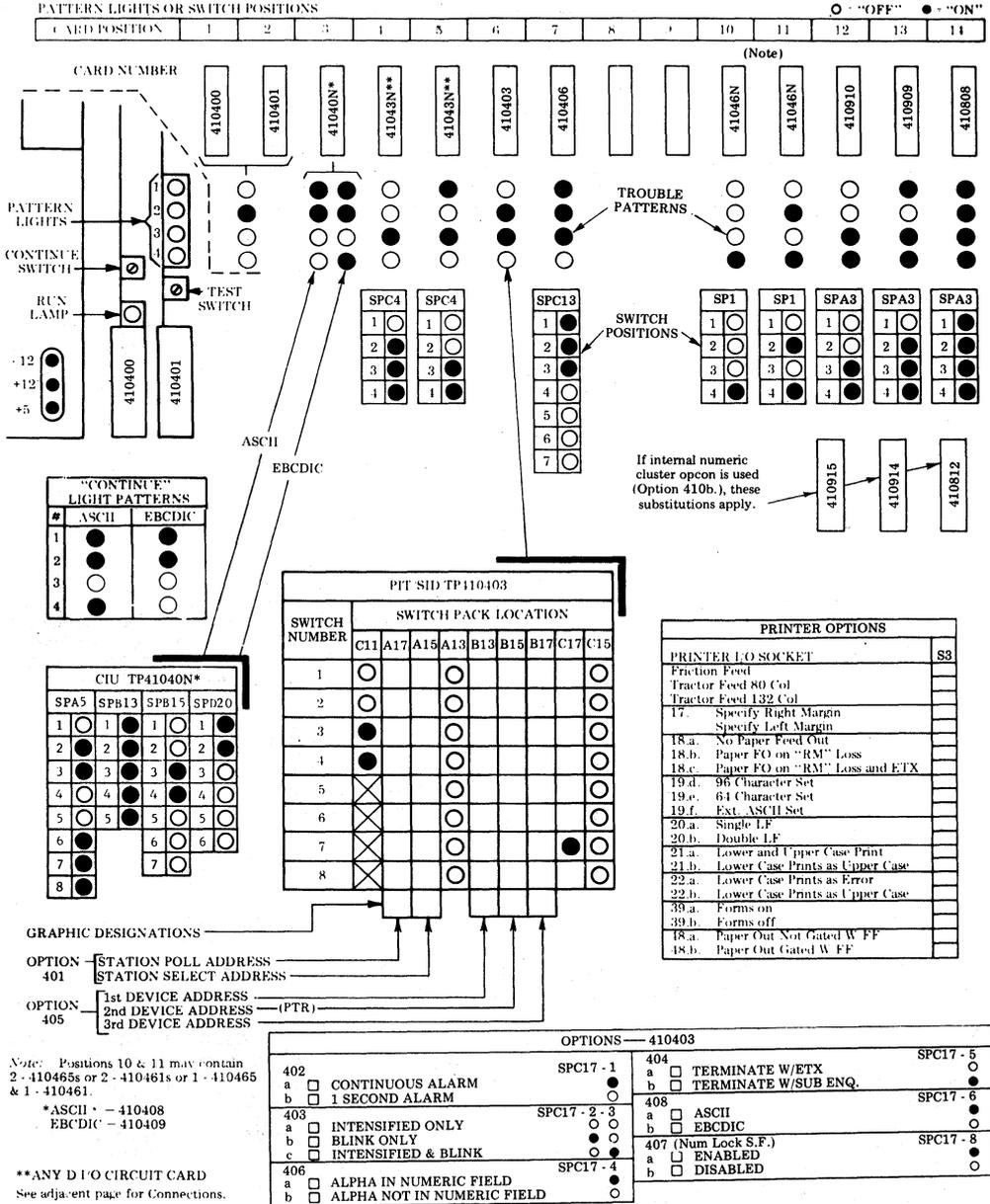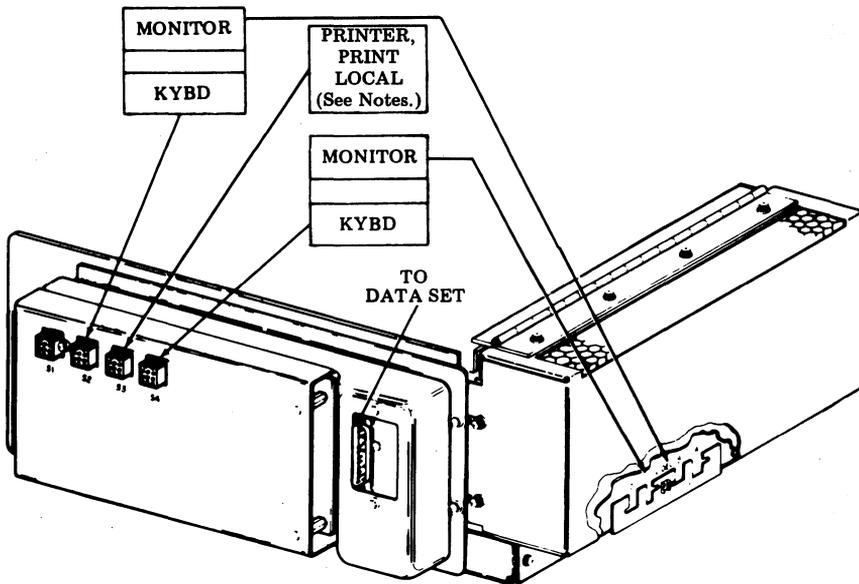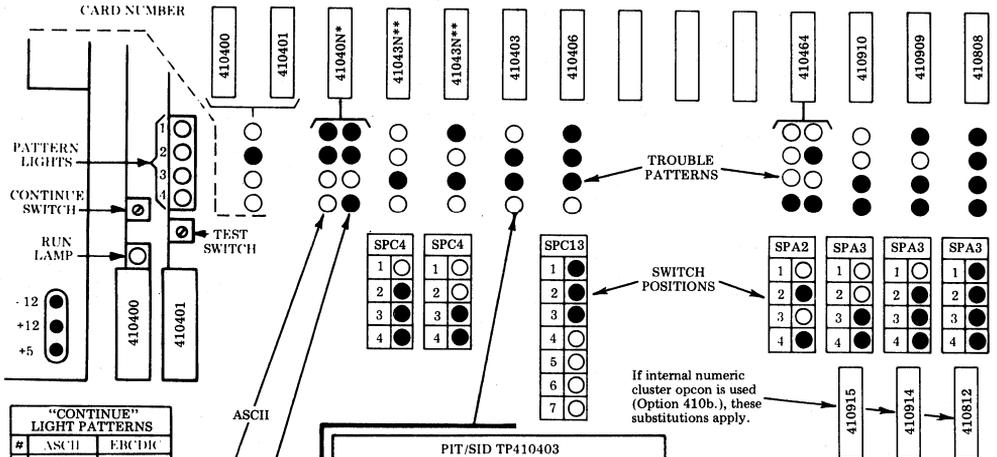| CARD POSITION	I/O SOCKET	DEVICE
3	DS	·DATA SET
4 & 5	S2-B	KEYBOARD/MON. (1)
5	S3	PRINTER (2)
5	S4	PRINTER (3)

Note 1: If the customer requires that print local operation be prohibited from the KD, place a 340701 blocking keytop over the PRINT LOCAL position of the KD opcon.

Note 2: If only one printer is part of the order and the customer requires that print local operation be prohibited from the KD, another method can be used: connect printer to S4, option 410411 card for third device address (B6) to be the printer address, and turn all B5 switches off.

Note 3: If printers are not part of station, option B5 and B6 switches off on 410411 circuit card.

MCC — Controller Arrangement Form
LINE CODE: ASCII ☐ EBCDIC ☐
USOC: 4TX + 2-(4TOX+ OR 4TPX+)
HANDLES: 2-KDs & 1 PTR (Print Local)

PATTERN LIGHTS OR SWITCH POSITIONS   O - "OFF"   ● - "ON"

CARD POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14

(Note)

CARD NUMBER

Card numbers: 410400, 410401, 41040N*, 41043N**, 41043N**, 410403, 410406, 41046N, 41046N, 410910, 410909, 410808

PATTERN LIGHTS

CONTINUE SWITCH

RUN LAMP

TEST SWITCH

-12 +12 +5

410400 410401

TROUBLE PATTERNS

SWITCH POSITIONS

SPC4 SPC4 SPC13 SP1 SP1 SPA3 SPA3 SPA3

ASCII
EBCDIC

If internal numeric cluster opcon is used (Option 410b.), these substitutions apply. → 410915 410914 410812

"CONTINUE" LIGHT PATTERNS

#	ASCII	EBCDIC
1	●	●
2	●	●
3	O	O
4	O	O

CIU TP41040N*

SPA5	SPB13	SPB15	SPD20
1 O	1 ●	1 O	1 ●
2 ●	2 ●	2 O	2 ●
3 ●	3 ●	3 ●	3 O
4 O	4 ●	4 ●	4 O
5 O	5 ●	5 ●	5 O
6 ●		6 O	6 O
7 ●		7 O	
8 ●			

PIT/SID TP410403

SWITCH NUMBER	SWITCH PACK LOCATION								
	C11	A17	A15	A13	B13	B15	B17	C17	C15
1	O			O					O
2	O			O					O
3	●			O					O
4	●			O					O
5	✕			✕					O
6	✕			O					O
7	✕			O		●			O
8	✕			O					O

GRAPHIC DESIGNATIONS

OPTION 401 — STATION POLL ADDRESS / STATION SELECT ADDRESS

OPTION 405 — 1st DEVICE ADDRESS / 2nd DEVICE ADDRESS —(PTR) / 3rd DEVICE ADDRESS

PRINTER OPTIONS

PRINTER I/O SOCKET	S3
Friction Feed	
Tractor Feed 80 Col	
Tractor Feed 132 Col	
17. Specify Right Margin	
Specify Left Margin	
18.a. No Paper Feed Out	
18.b. Paper FO on "RM" Loss	
18.c. Paper FO on "RM" Loss and ETX	
19.d. 96 Character Set	
19.e. 64 Character Set	
19.f. Ext. ASCII Set	
20.a. Single LF	
20.b. Double LF	
21.a. Lower and Upper Case Print	
21.b. Lower Case Prints as Upper Case	
22.a. Lower Case Prints as Error	
22.b. Lower Case Prints as Upper Case	
39.a. Forms on	
39.b. Forms off	
48.a. Paper Out Not Gated W/FF	
48.b. Paper Out Gated W/FF	

Note: Positions 10 & 11 may contain 2 - 410465s or 2 - 410461s or 1 - 410465 & 1 - 410461.
*ASCII - 410408
 EBCDIC - 410409

**ANY D I/O CIRCUIT CARD
See adjacent page for Connections.

OPTIONS — 410403

402		SPC17 - 1
a	☐ CONTINUOUS ALARM	●
b	☐ 1 SECOND ALARM	O

403		SPC17 - 2 - 3
a	☐ INTENSIFIED ONLY	O O
b	☐ BLINK ONLY	● O
c	☐ INTENSIFIED & BLINK	O ●

406		SPC17 - 4
a	☐ ALPHA IN NUMERIC FIELD	●
b	☐ ALPHA NOT IN NUMERIC FIELD	O

404		SPC17 - 5
a	☐ TERMINATE W/ETX	O
b	☐ TERMINATE W/SUB ENQ.	●

408		SPC17 - 6
a	☐ ASCII	●
b	☐ EBCDIC	O

407 (Num Lock S.F.)		SPC17 - 8
a	☐ ENABLED	●
b	☐ DISABLED	O

MCC — Controller Arrangement Form
HANDLES: 2-KDs & 1-PTR (Print Local)

CARD POSITION	I/O SOCKET	DEVICE
3	DS	DATA SET
4 & 7	S2-B	KEYBOARD/MON. (1)
7	S3	PRINTER (2)
5 & 7	S4-C	KEYBOARD/MON. (3)

Note 1:   If the customer requires that print local operation be prohibited from the KD(s), place 340701 blocking keytop over the PRINT LOCAL position of the KD opcon(s).

Note 2:   If printer is not included as part of configuration, option B15 switches off on 410403 circuit card and option B17 switches for 2nd KD.

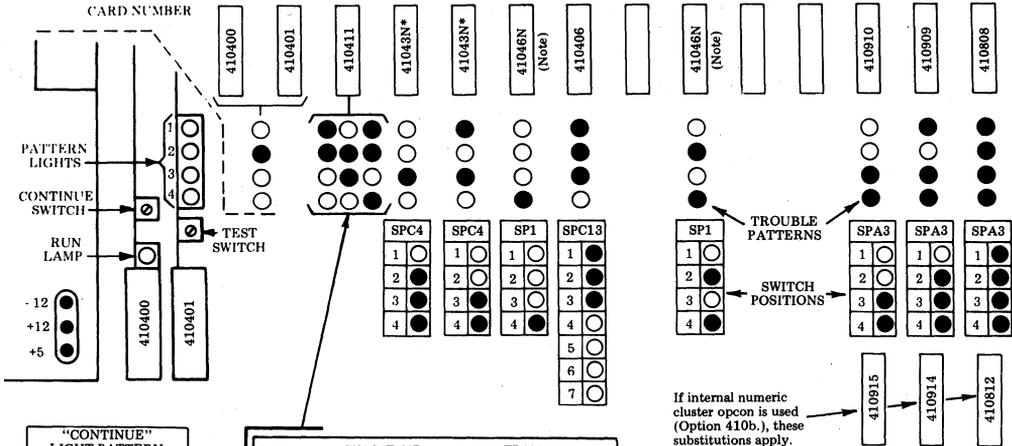## MCC — Controller Arrangement Form
LINE CODE: ASCII ☐ EBCDIC ☐
USOC: 4TX + 2-(4TOX+ OR 4TPX+)
HANDLES: 2-KDs & 1-PTR (Print Local)

PATTERN LIGHTS OR SWITCH POSITIONS   O "OFF" ● "ON"

PATTERN LIGHTS

CONTINUE SWITCH

RUN LAMP

TEST SWITCH

-12 +12 +5

TROUBLE PATTERNS

SWITCH POSITIONS

If internal numeric cluster opcon is used (Option 410b.), these substitutions apply.

"CONTINUE" LIGHT PATTERNS

#	ASCII	EBCDIC
1	●	●
2	●	●
3	C	O
4	●	O

ASCII

EBCDIC

CIU TP41040N*

SPA5	SPB13	SPB15	SPD20
1 O	1 ●	1 ●	1 ●
2 ●	2 ●	2 O	2 ●
3 ●	3 ●	3 ●	3 O
4 ●	4 ●	4 ●	4 O
5 O	5 ●	5 ●	5 O
6 ●	6	6 ●	6 O
7 ●	7 O		
8 ●			

PIT/SID TP410403

SWITCH NUMBER	SWITCH PACK LOCATION								
	C11	A17	A15	A13	B13	B15	B17	C17	C15
1	O			O					O
2	O			O					O
3	●			O					O
4	●			O					O
5	✕			O					O
6	✕			O					O
7	✕			O			●		O
8	✕			O					O

PRINTER OPTIONS

PRINTER I/O SOCKET		S3
Friction Feed		
Tractor Feed 80 Col		
Tractor Feed 132 Col		
17.	Specify Right Margin	
	Specify Left Margin	
18.a.	No Paper Feed Out	
18.b.	Paper FO on "RM" Loss	
18.c.	Paper FO on "RM" Loss and ETX	
19.d.	96 Character Set	
19.e.	64 Character Set	
19.f.	Ext. ASCII Set	
20.a.	Single LF	
20.b.	Double LF	
21.a.	Lower and Upper Case Print	
21.b.	Lower Case Prints as Upper Case	
22.a.	Lower Case Prints as Error	
22.b.	Lower Case Prints as Upper Case	
39.a.	Forms on	
39.b.	Forms off	
48.a.	Paper Out Not Gated W/FF	
48.b.	Paper Out Gated W/FF	

OPTIONS — TP410403

402		SPC17 - 1
a	☐ CONTINUOUS ALARM	●
b	☐ 1 SECOND ALARM	O
403		SPC17 - 2 - 3
a	☐ INTENSIFIED ONLY	O O
b	☐ BLINK ONLY	O ●
c	☐ INTENSIFIED & BLINK	● ●
406		SPC17 - 4
a	☐ ALPHA IN NUMERIC FIELD	●
b	☐ ALPHA NOT IN NUMERIC FIELD	O
404		SPC17 - 5
a	☐ TERMINATE W/ETX	O
b	☐ TERMINATE W/SUB ENQ.	●
408		SPC17 - 6
a	☐ ASCII	●
b	☐ EBCDIC	O
407 (Num Lock S.F.)		SPC17 - 8
a	☐ ENABLED	●
b	☐ DISABLED	O

GRAPHIC DESIGNATIONS

OPTION 401 STATION POLL ADDRESS
STATION SELECT ADDRESS

OPTION 405 1st DEVICE ADDRESS
2nd DEVICE ADDRESS — (PTR)
3rd DEVICE ADDRESS

*ASCII — 410408
EBCDIC — 410409

**ANY D I/O CIRCUIT CARD

See adjacent page for Connections.

MCC — Controller Arrangement Form
HANDLES: 2-KDs & 1-PTR (Print Local)

CARD POSITION	I/O SOCKET	DEVICE
3	DS	DATA SET
4 & 7	S2-B	KEYBOARD/MON. (1)
7	S3	PRINTER (2)
5 & 7	S4-C	KEYBOARD/MON. (3)

Note 1:   If the customer requires that print local operation be prohibited from the KD(s), place 340701 blocking keytop over the PRINT LOCAL position of the KD opcon(s).

Note 2:   If printer is not included as part of configuration, option B15 switches off on 410403 circuit card and option B17 switches for 2nd KD.

MCC — Controller Arrangement Form
LINE CODE: ASCII ☐ EBCDIC
USOC: 4TX + 2-(4TOX+ OR 4TPX+)
HANDLES: 2-KDs & 1-PTR (Print Local)

PATTERN LIGHTS OR SWITCH POSITIONS   O = "OFF"   ● = "ON"

CARD POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14

CARD NUMBER

Card numbers (by position): 410400, 410401, 410411, 41043N*, 41043N*, 41046N (Note), 410406, 41046N (Note), 410910, 410909, 410808

PATTERN LIGHTS
CONTINUE SWITCH
RUN LAMP
TEST SWITCH

-12 +12 +5   410400 410401

SPC4 / SPC4 / SP1 / SPC13   SP1   TROUBLE PATTERNS   SPA3 / SPA3 / SPA3

SWITCH POSITIONS

If internal numeric cluster opcon is used (Option 410b.), these substitutions apply. → 410915 410914 410812

"CONTINUE" LIGHT PATTERN

There are no continue patterns

Note: Positions 6 & 9 may contain 2 - 410465s or 2 - 410461s or 1 - 410465 & 1 - 410461.

	CIU/PIT/SID	TP410411								
SWITCH NUMBER	SWITCH PACK LOCATION

SWITCH NUMBER	A21	B12	B1	B2	B3	B4	B5	B6	B7	B8
1	O	●		O						O
2	O	●		O						O
3	O	●		O						O
4	O	O		O						O
5	O	O		O						O
6	O	●		O						O
7	O	O		O					●	O
8	O	●		O						O
9	O									

GRAPHIC DESIGNATIONS

OPTION 401   STATION POLL ADDRESS
             STATION SELECT ADDRESS
OPTION 405   1st DEVICE ADDRESS
             2nd DEVICE ADDRESS (PTR)
             3rd DEVICE ADDRESS

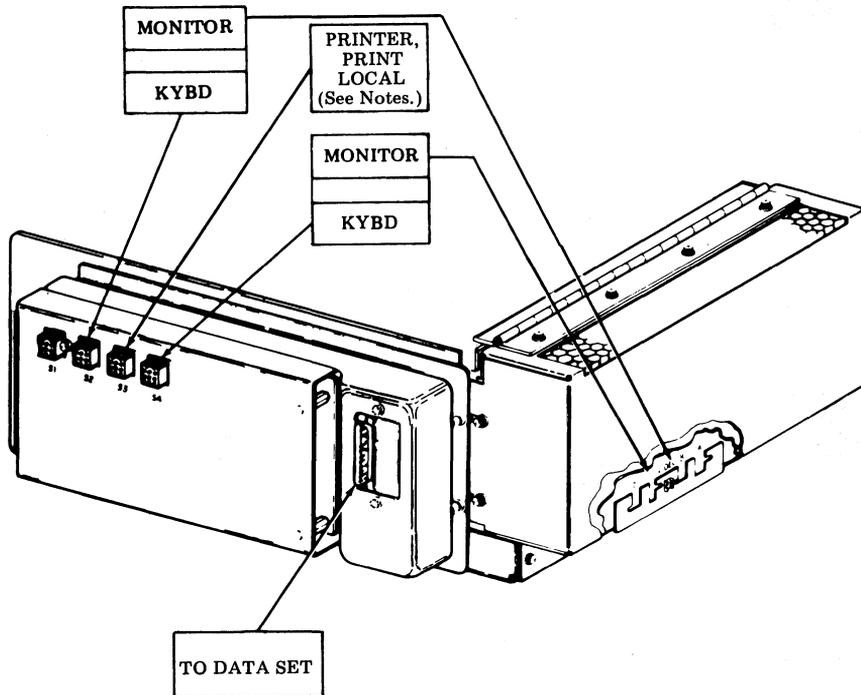| PRINTER OPTIONS	
PRINTER I/O SOCKET	S3
Friction Feed	
Tractor Feed 80 Col	
Tractor Feed 132 Col	
17. Specify Right Margin	
Specify Left Margin	
18.a. No Paper Feed Out	
18.b. Paper FO on "RM" Loss	
18.c. Paper FO on "RM" Loss and ETX	
19.d. 96 Character Set	
19.e. 64 Character Set	
19.f. Ext. ASCII Set	
20.a. Single LF	
20.b. Double LF	
21.a. Lower and Upper Case Print	
21.b. Lower Case Prints as Upper Case	
22.a. Lower Case Prints as Error	
22.b. Lower Case Prints as Upper Case	
39.a. Forms on	
39.b. Forms off	
48.a. Paper Out Not Gated W/FF	
48.b. Paper Out Gated W/FF	

*ANY D I/O CIRCUIT CARD

Caution: PROMs 450013, 450014, 450015 & 450016 on 410808 (if used) must be issue 3 or later.

See adjacent page for Connections.

OPTIONS — 410411

402	SPB7-1	404	SPB7-5
a ☐ CONTINUOUS ALARM	●	a ☐ TERMINATE W/ETX	●
b ☐ 1 SECOND ALARM	O	b ☐ TERMINATE W/ SUB ENQ.	O
403	SPB7-2 —3	408	SPB7-6
a ☐ INTENSIFIED ONLY	O O	a ☐ ASCII	●
b ☐ BLINK ONLY	● O	b ☐ EBCDIC	O
c ☐ INTENSIFIED & BLINK	O ●	407 (Num Lock S.F.)	SPB7-8
406	SPB7-4	a ☐ ENABLED	●
a ☐ ALPHA IN NUMERIC FIELD	●	b ☐ DISABLED	O
b ☐ ALPHA NOT IN NUMERIC FIELD	O		

MCC — Controller Arrangement Form
HANDLES: 2-KDs & 1-PTR (Print Local)

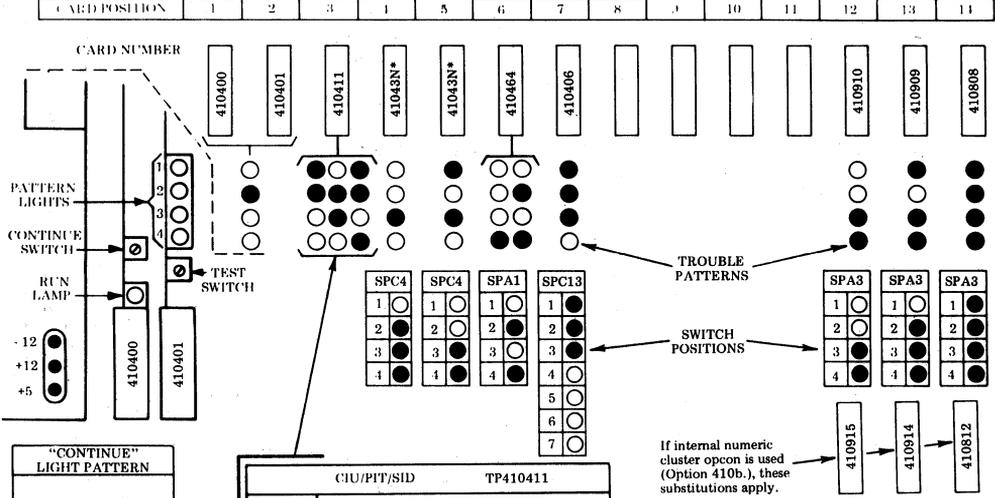| CARD POSITION	I/O SOCKET	DEVICE
3	DS	DATA SET
4 & 7	S2-B	KEYBOARD/MON. (1)
7	S3	PRINTER (2)
5 & 7	S4-C	KEYBOARD/MON. (3)

Note 1: If the customer requires that print local operation be prohibited from the KD(s), place 340701 blocking keytop over the PRINT LOCAL position of the KD opcon(s).

Note 2: If printer is not included as part of configuration, option B5 switches off on 410411 circuit card and option B6 switches for 2nd KD.

MCC — Controller Arrangement Form
LINE CODE: ASCII ☐ EBCDIC ☐
USOC: 4TX + 2-(4TOX+ OR 4TPX+)
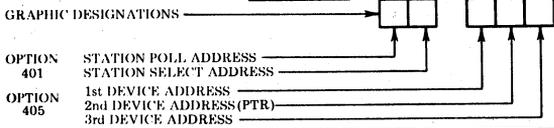**HANDLES:** 2-KDs & 1-PTR (Print Local)

PATTERN LIGHTS OR SWITCH POSITIONS   ○ = "OFF" ● = "ON"

CARD POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14

CARD NUMBER

Card numbers: 410400, 410401, 410411, 41043N*, 41043N*, 410464, 410406, 410910, 410909, 410808

PATTERN LIGHTS

CONTINUE SWITCH

RUN LAMP

TEST SWITCH

-12 +12 +5

410400 410401

TROUBLE PATTERNS

SWITCH POSITIONS

SPC4		SPC4		SPA1		SPC13	
1	○	1	○	1	○	1	●
2	●	2	●	2	●	2	○
3	●	3	●	3	○	3	○
4	●	4	●	4	●	4	○
						5	○
						6	○
						7	○

SPA3		SPA3		SPA3	
1	○	1	○	1	●
2	○	2	●	2	●
3	●	3	●	3	●
4	●	4	●	4	●

If internal numeric cluster opcon is used (Option 410b.), these substitutions apply.

410915 410914 410812

"CONTINUE" LIGHT PATTERN

There are no continue patterns

CIU/PIT/SID			TP410411							
SWITCH NUMBER	**SWITCH PACK LOCATION**									
	A21	B12	B1	B2	B3	B4	B5	B6	B7	B8
1	○	●			○					○
2	○	●			○					○
3	○	●			○					○
4	○	○			○					○
5	○	○			○					○
6	○	●			○					○
7	○	●			○				●	○
8	○	●			○					○
9	○									

GRAPHIC DESIGNATIONS

OPTION 401
STATION POLL ADDRESS
STATION SELECT ADDRESS

OPTION 405
1st DEVICE ADDRESS
2nd DEVICE ADDRESS (PTR)
3rd DEVICE ADDRESS

*ANY D I/O CIRCUIT CARD

Caution: PROMs 450013, 450014, 450015 & 450016 on 410808 (if used) must be issue 3 or later.

See adjacent page for Connections.

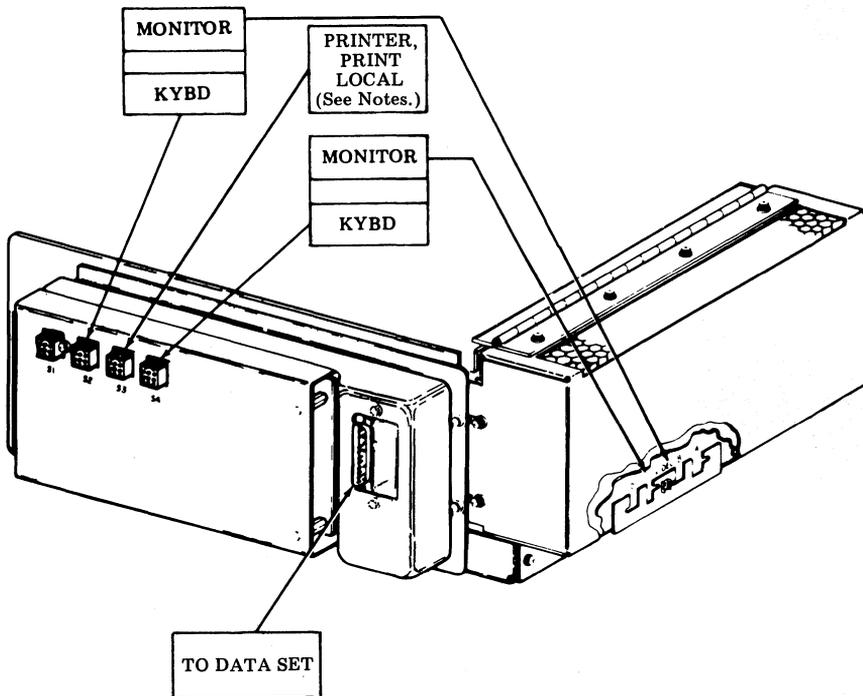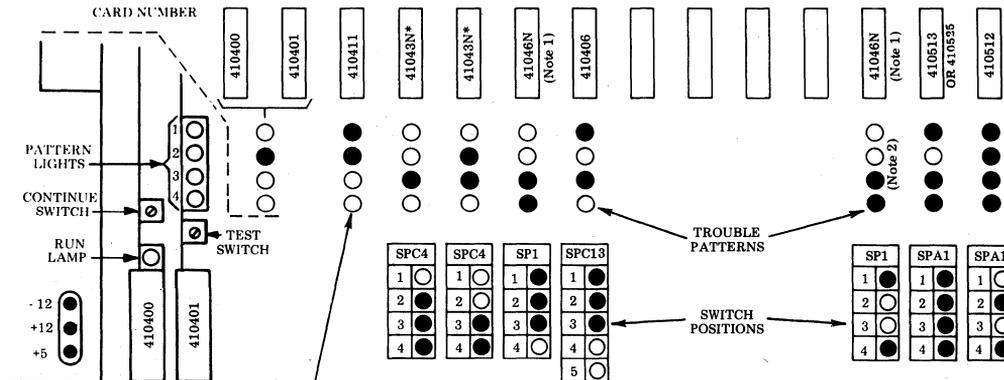| PRINTER OPTIONS	
PRINTER I/O SOCKET	S3
Friction Feed	
Tractor Feed 80 Col	
Tractor Feed 132 Col	
17. Specify Right Margin	
Specify Left Margin	
18.a. No Paper Feed Out	
18.b. Paper FO on "RM" Loss	
18.c. Paper FO on "RM" Loss and ETX	
19.d. 96 Character Set	
19.e. 64 Character Set	
19.f. Ext. ASCII Set	
20.a. Single LF	
20.b. Double LF	
21.a. Lower and Upper Case Print	
21.b. Lower Case Prints as Upper Case	
22.a. Lower Case Prints as Error	
22.b. Lower Case Prints as Upper Case	
39.a. Forms on	
39.b. Forms off	
48.a. Paper Out Not Gated W/FF	
48.b. Paper Out Gated W/FF	

OPTIONS -- 410411

402		SPB7-1
a	☐ CONTINUOUS ALARM	●
b	☐ 1 SECOND ALARM	○

403		SPB7-2 –3
a	☐ INTENSIFIED ONLY	○ ○
b	☐ BLINK ONLY	● ○
c	☐ INTENSIFIED & BLINK	○ ●

406		SPB7-4
a	☐ ALPHA IN NUMERIC FIELD	●
b	☐ ALPHA NOT IN NUMERIC FIELD	○

404		SPB7-5
a	☐ TERMINATE W ETX	○
b	☐ TERMINATE W SUB ENQ.	●

408		SPB7-6
a	☐ ASCII	●
b	☐ EBCDIC	○

407 (Num Lock S.F.)		SPB7-8
a	☐ ENABLED	●
b	☐ DISABLED	○

MCC — Controller Arrangement Form
HANDLES: 2-KDs & 1-PTR (Print Local)

CARD POSITION	I/O SOCKET	DEVICE
3	DS	DATA SET
4 & 7	S2-B	KEYBOARD/MON. (1)
7	S3	PRINTER (2)
5 & 7	S4-C	KEYBOARD/MON. (3)

MONITOR

KYBD

PRINTER,
PRINT
LOCAL
(See Notes.)

MONITOR

KYBD

TO DATA SET

Note 1:   If the customer requires that print local operation be prohibited from the KD(s), place 340701 blocking keytop over the PRINT LOCAL position of the KD opcon(s).

Note 2:   If printer is not included as part of configuration, option B5 switches off on 410411 circuit card and option B6 switches for 2nd KD.

MCC — Controller Arrangement Form
LINE CODE: ASCII ☐ EBCDIC ☐
USOC: 4TX + 2-(4TOX+ OR 4TPX+)
HANDLES: 2-KDs & 1-PTR (Print Local)

PATTERN LIGHTS OR SWITCH POSITIONS   O = "OFF"   ● = "ON"

CARD POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14

CARD NUMBER

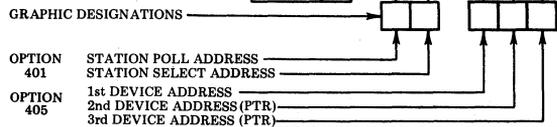Cards: 410400, 410401, 410411, 41043N*, 41043N*, 41046N (Note 1), 410406, ... 41046N (Note 2), 410513 OR 410525, 410512

PATTERN LIGHTS
CONTINUE SWITCH
RUN LAMP
TEST SWITCH

-12 +12 +5

410400 410401

TROUBLE PATTERNS

SWITCH POSITIONS

SPC4 / SPC4 / SP1 / SPC13   SP1 / SPA1 / SPA1

If internal numeric cluster opcon is used (Option 410b.), these substitutions apply. → 410515 → 410514

"CONTINUE" LIGHT PATTERNS

There are no continue patterns

Note 1: Positions 6 & 12 may contain 2 - 410465s or 2 - 410461s or 1 - 410465 & 1 - 410461.

Note 2: Same trouble pattern for both 41046Ns. If pattern occurs, replace 41046Ns one at a time until pattern no longer appears.

SWITCH NUMBER	CIU/PIT/SID TP410411 SWITCH PACK LOCATION									
	A21	B12	B1	B2	B3	B4	B5	B6	B7	B8
1	O	●		O						O
2	O	●		O						O
3	O	●		O						O
4	O	O		O						O
5	O	O		O						O
6	O	●		O						O
7	O	●		O						O
8	O	●		O						O
9	O									

GRAPHIC DESIGNATIONS

OPTION 401   STATION POLL ADDRESS / STATION SELECT ADDRESS

OPTION 405   1st DEVICE ADDRESS / 2nd DEVICE ADDRESS (PTR) / 3rd DEVICE ADDRESS (PTR)

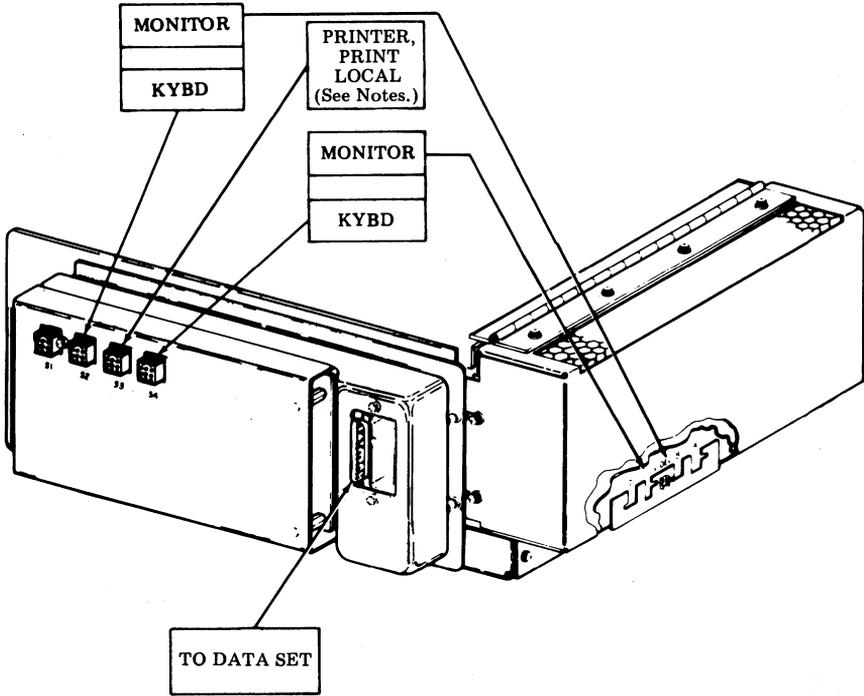| PRINTER OPTIONS	
PRINTER I/O SOCKET	S3
Friction Feed	
Tractor Feed 80 Col	
Tractor Feed 132 Col	
17. Specify Right Margin	
Specify Left Margin	
18.a. No Paper Feed Out	
18.b. Paper FO on "RM" Loss	
18.c. Paper FO on "RM" Loss and ETX	
19.d. 96 Character Set	
19.e. 64 Character Set	
19.f. Ext. ASCII Set	
20.a. Single LF	
20.b. Double LF	
21.a. Lower and Upper Case Print	
21.b. Lower Case Prints as Upper Case	
22.a. Lower Case Prints as Error	
22.b. Lower Case Prints as Upper Case	
39.a. Forms on	
39.b. Forms off	
48.a. Paper Out Not Gated W/FF	
48.b. Paper Out Gated W/FF	

*ANY D I/O CIRCUIT CARD

See adjacent page for Connections.

OPTIONS — 410411

402		SPB7-1
a	☐ CONTINUOUS ALARM	●
b	☐ 1 SECOND ALARM	O

403		SPB7-2 –3
a	☐ INTENSIFIED ONLY	O O
b	☐ BLINK ONLY	● O
c	☐ INTENSIFIED & BLINK	O ●

406		SPB7-4
a	☐ ALPHA IN NUMERIC FIELD	●
b	☐ ALPHA NOT IN NUMERIC FIELD	O

404		SPB7-5
a	☐ TERMINATE W/ETX	O
b	☐ TERMINATE W/SUB ENQ.	●

408		SPB7-6
a	☐ ASCII	●
b	☐ EBCDIC	O

407 (Num Lock S.F.)		SPB7-8
a	☐ ENABLED	●
b	☐ DISABLED	O

414 BUFFER LOCK		SPB7-7
a	☐ ENABLED	●
b	☐ DISABLED (REQUIRES 410525)	O

MCC — Controller Arrangement Form
HANDLES: 2-KDs & 1-PTR (Print Local)

CARD POSITION	I/O SOCKET	DEVICE
3	DS	DATA SET
4 & 7	S2-B	KEYBOARD/MON. (1)
7	S3	PRINTER (2)
5 & 7	S4-C	KEYBOARD/MON. (3)

Note 1:   If the customer requires that print local operation be prohibited from the KD(s), place 340701 blocking keytop over the PRINT LOCAL position of the KD opcon(s).

Note 2:   If printer is not included as part of configuration, option B5 switches off on 410411 circuit card and option B6 switches for 2nd KD.

4. REFERENCES

4.01 The following list of literature pertains to the DATASPEED 40/4 Maxi- and Mini-Cluster Stations.

BSP Section	Titles
582-200-101	Description and Operation
582-200-201	Installation

BSP Section	Titles
582-200-212	Keyboard-Display Amplifier
582-200-401	Wiring Diagrams
582-200-701	Disassembly/Reassembly and Parts
582-200-751	Routine Maintenance
582-200-210	Keyboard Disable Lock