

TAILORING CPU JUMPERING NOVA 4/C

DEVICE CONF JUMPERS FOR FRONT PANEL AUTOMATIC PROGRAM LOAD
SELECT THE PROGRAM LOAD DEVICE CODE BY INSTALLING JUMPERS
W11, W8, W6, W7, W9, W10, AS FOLLOWS:

JUMPER OUT = 1 JUMPER IN = 0

EXAMPLE JUMPERING FOR DEVICE CODE 278:

W11	W8	W6	W7	W9	W10
IN	OUT	IN	OUT	OUT	OUT

W4 IS NOT INSERTED IF THE PROGRAM LOAD DEVICE IS A HIGH SPEED DEVICE, OTHERWISE IT IS INSERTED.

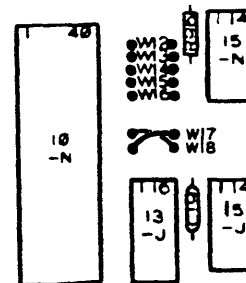
TYPE OF TRANSMISSION JUMPERS

TYPE OF TRANSMISSION	JUMPERS INSERTED*
20MA CURRENT LOOP EIA RS232-C	W1, W3 W2

* JUMPER W5 IS INSERTED IF THE SYSTEM TERMINAL IS A TELETYPE, OTHERWISE IT IS NOT INSERTED.

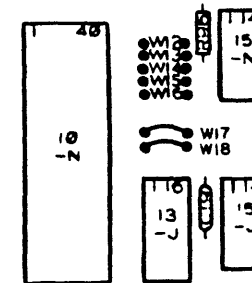
* JUMPERS W17 AND W18 MUST ALSO BE INSERTED AS SHOWN BELOW.

20MA CURRENT LOOP

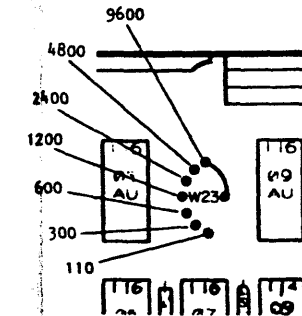


JUMPERS W17 AND W18 MUST NOT TOUCH!

EIA RS232-C



W23 IS INSERTED TO DETERMINE THE BAUD RATE AS SHOWN BELOW: (9600 SHOWN)



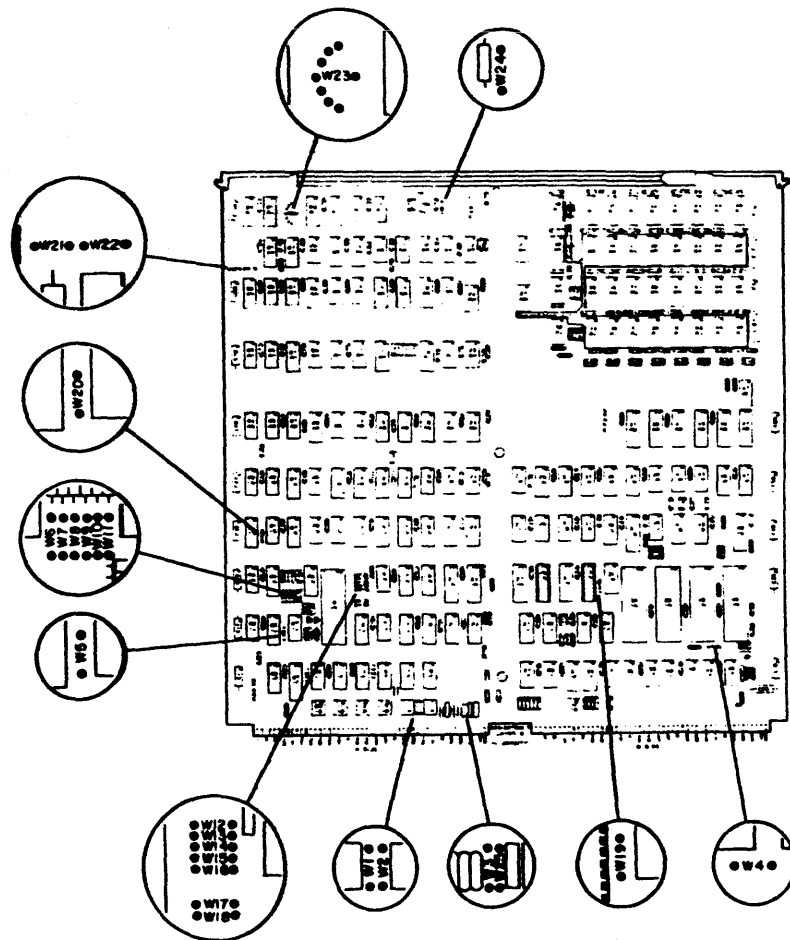
W22 IS NEVER INSERTED.

THE FOLLOWING JUMPERS ARE ALWAYS INSERTED:

W5
W19
W20
W21
W24

CPU/MEMORY LOADS

VOLTAGE	DESCRIPTION	CURRENT DRAV
+5V	SYSTEM WITHOUT BATTERY BACKUP	8.0A
+5V	SYSTEM WITH BATTERY BACKUP	7.5A
+5V MEM		0.5A
+12V MEM		0.7A
+15V		0.04A



STOP BIT JUMPERS

NUMBER OF STOP BITS	W15 JUMPER POSITION
1	IN
2	OUT

PARITY JUMPERS

TYPE OF PARITY	JUMPER POSITION	
	W12	W16
EVEN	OUT	IN
ODD	IN	IN
NONE	OUT	OUT

CHARACTER LENGTH JUMPERS

CHARACTER LENGTH	JUMPER POSITION	
	W13	W14
5 BITS	IN	IN
6 BITS	OUT	IN
7 BITS	IN	OUT
8 BITS	OUT	OUT

013-000840
BRUNING 40-526 27928

THIS DRAWING AND SPECIFICATIONS, HEREIN ARE THE PROPERTY OF DATA GENERAL CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.

REV	DATE	APP	DATE	ENGINEER	APPROVED	FIRST USED ON	CODE IDENT
ECO							34984

DRAWN
CHECKED
ENGINEER

APPROVED
FIRST USED ON
CODE IDENT 34984

TITLE
INSTALLATION DATA SHEET
NOVA 4 5-SLOT

DATA GENERAL CORPORATION
WESTBORO, MASSACHUSETTS 01581
SIZE C CODE 010 DRAWING NUMBER 000212 REV 03

TAILORING (CONT)

CPU JUMPERING NOVA 4/S OR 4/X

BAUD RATE JUMPERS

BAUD RATE	JUMPER POSITION				
	W17	W18	W19	W20	W27
50	IN	IN	OUT	IN	OUT
75	IN	IN	OUT	OUT	OUT
110	OUT	OUT	OUT	OUT	IN
134.5	IN	OUT	IN	IN	OUT
150	OUT	OUT	OUT	IN	OUT
200	IN	OUT	IN	OUT	OUT
300	OUT	OUT	IN	OUT	OUT
600	IN	OUT	OUT	IN	OUT
1200	OUT	IN	OUT	OUT	OUT
1600	OUT	IN	OUT	IN	OUT
2400	OUT	OUT	IN	IN	OUT
4800	OUT	IN	IN	OUT	OUT
9600	OUT	IN	IN	IN	OUT
19200	IN	IN	IN	OUT	OUT

PARITY JUMPERS

TYPE OF PARITY	JUMPER POSITION	
	W22	W21
EVEN	OUT	IN
ODD	IN	IN
NONE	OUT	OUT

CHARACTER LENGTH JUMPERS

CHARACTER LENGTH	JUMPER POSITION	
	W25	W24
5 BITS	IN	IN
6 BITS	OUT	IN
7 BITS	IN	OUT
8 BITS	OUT	OUT

TYPE OF TRANSMISSION JUMPERS

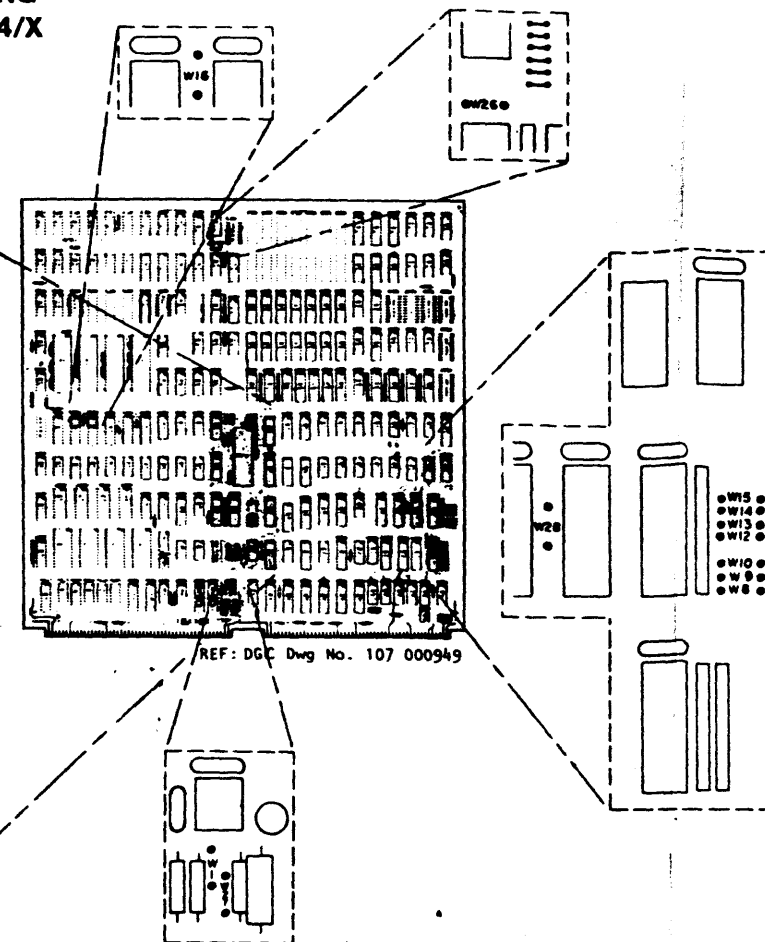
TYPE OF TRANSMISSION	JUMPERS INSERTED
20MA CURRENT LOOP	W4, W7, W2, W1
EIA RS232-C	W6, W3

STOP BIT JUMPERS

NUMBER OF STOP BITS	W23 JUMPER POSITION
1	IN
2	OUT

REAL TIME CLOCK JUMPER

	W28
RTC ENABLED	IN
RTC DISABLED	OUT



DEVICE CODE JUMPERS FOR FRONT PANEL AUTOMATIC PROGRAM LOAD

SELECT THE PROGRAM LOAD DEVICE CODE BY INSTALLING JUMPERS W13, W15, W14, W12, W10, W8 AS FOLLOWS:

JUMPER IN = 1 JUMPER OUT = 0

EXAMPLE JUMPERING FOR DEVICE CODE 27 :
8

W13	W15	W14	W12	W10	W8
OUT	IN	OUT	IN	IN	IN

W9 IS INSERTED IF THE PROGRAM LOAD DEVICE IS A HIGH SPEED DEVICE, OTHERWISE, IT IS REMOVED.

NOTE: JUMPERS W16 AND W26 ARE ALWAYS INSERTED. JUMPERS W5 AND W11 DO NOT EXIST.

+5V CURRENT DRAW = 17A

013-000840
BRUNING 40-526 27928

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DATA GENERAL CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.

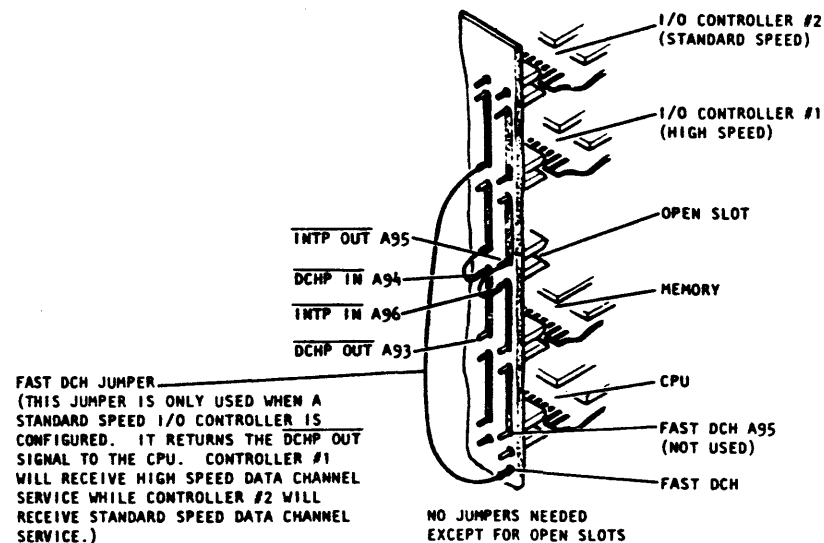
REV	DATE	APP	ENGINEER	DRAWN	CHECKED	APPROVED	FIRST USED ON	CODE IDENT
								34984

TITLE
**INSTALLATION DATA SHEET
NOVA 4 5-SLOT**

DATA GENERAL CORPORATION WESTBORO, MASSACHUSETTS 01581			
SIZE C	CODE 010	DRAWING NUMBER 000212	REV 03

TAILORING (CONT) BACKPANEL JUMPERING

TYPICAL CONFIGURATION

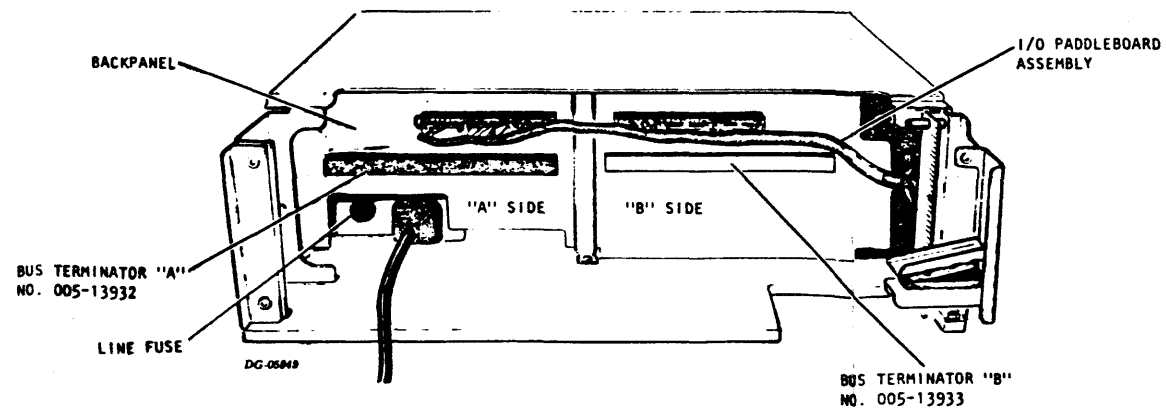
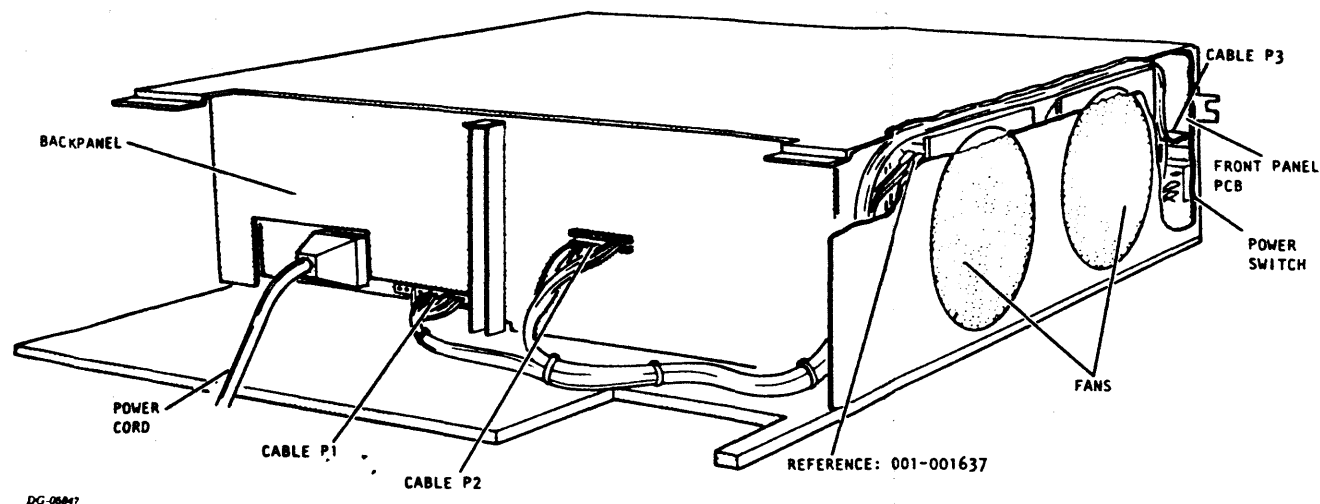


NOTE: WHEN AN I/O CONTROLLER RESIDES OUTSIDE THE CHASSIS, IT MUST BE CONFIGURED AS A STANDARD DATA CHANNEL CONTROLLER.

FOR MORE INFORMATION CONCERNING INTERRUPT AND DATA CHANNEL PRIORITY SCHEMES, REFER TO THE INTERFACE DESIGNER'S REFERENCE, NOVA AND ECLIPSE LINE COMPUTERS, DG NO. 015-000031.

DG-0808

INTERNAL CABLING BACKPANEL CONNECTORS



013-00040
BRUNING 40-888 87988

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DATA GENERAL CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.

REV	DATE	APP	ENGINEER
ECO			
APP			
DATE			

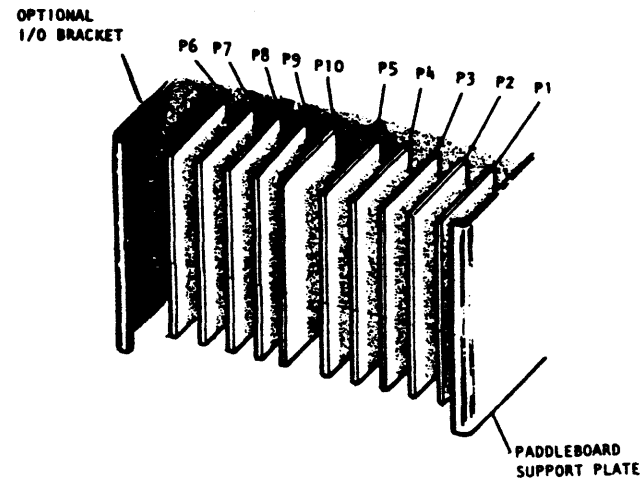
DRAWN	APPROVED
CHECKED	FIRST USED ON
ENGINEER	CODE IDENT 34984

TITLE
INSTALLATION DATA SHEET
NOVA 4 5-SLOT

DATA GENERAL CORPORATION			
WESTBORO, MASSACHUSETTS 01581			
SIZE	CODE	DRAWING NUMBER	REV
C	010	000212	03

INTERNAL CABLING (CONT)

PAD EBOARD MOUNTING



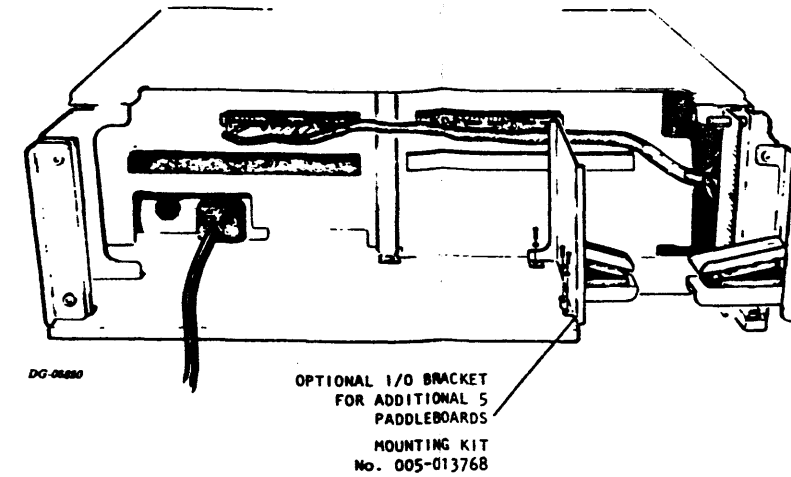
NOVA 4 I/O PADDLEBOARDS

ASSEMBLY No.	TYPE
005 012472	GENERAL PURPOSE I/O
005 012751	EXTERNAL I/O BUS**
005 012765	UNIVERSAL LINE MUX (SYNC) MODEL 4241, 4241A, 4242, 4243***
005 012476	I/O BUS REPEATER MODEL 8315
005 012590	DCU-50 MODELS 4250, 4254
005 012473*	ASYNCHRONOUS INTERFACE MODELS 4007, 4010, 4023, 4075, 4077, 4078
005 012585	MCA MODEL 4206

* THIS PADDLEBOARD MUST BE PLACED IN THE OUTSIDE POSITION: I.E. THE FURTHEST AWAY FROM THE PADDLEBOARD SUPPORT PLATE.

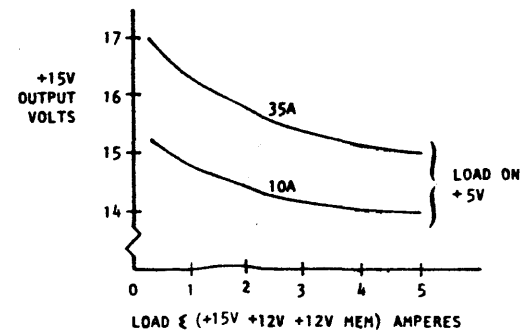
** EXTERNAL I/O BUS MUST BE TERMINATED AT THE END AWAY FROM THE COMPUTER BY TERMINATOR NO. 005-9067, OR EQUIVALENT.

*** REQUIRES TWO PADDLEBOARD LOCATIONS.



POWER SYSTEM LOADING RULES:

- SUPPLY VOLTAGES +5V, +12V, -5V ARE TIGHTLY REGULATED (SEE 001-001615 FOR LIMITS). +15 VOLTS IS NOT LOAD REGULATED; IT'S TYPICAL OUTPUT VOLTAGE IS SHOWN IN THE GRAPH TO THE RIGHT.
- LOADING ON +5V VOLTS MUST BE DIVIDED SO THAT SLOTS 1 AND 2 DRAW LESS THAN 22 AMPERES, SLOTS 3, 4, AND 5 DRAW LESS THAN 22 AMPERES AND THE TOTAL LOAD IS LESS THAN 35 AMPERES.



013-000840 BRUNING 40-526 27928

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DATA GENERAL CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.

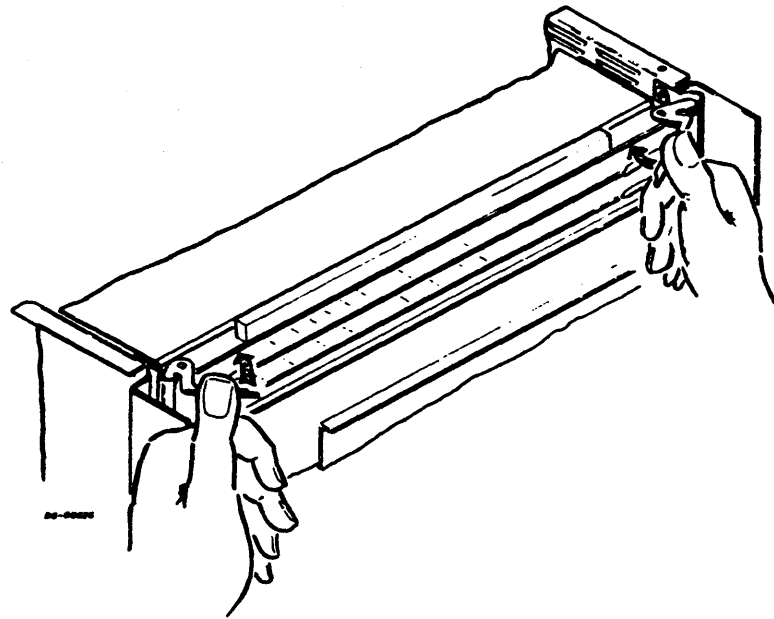
REV	ECO	APP	DATE	DRAWN	CHECKED	ENGINEER	APPROVED	FIRST USED ON	CODE IDENT

TITLE
INSTALLATION DATA SHEET
NOVA 4 5-SLOT

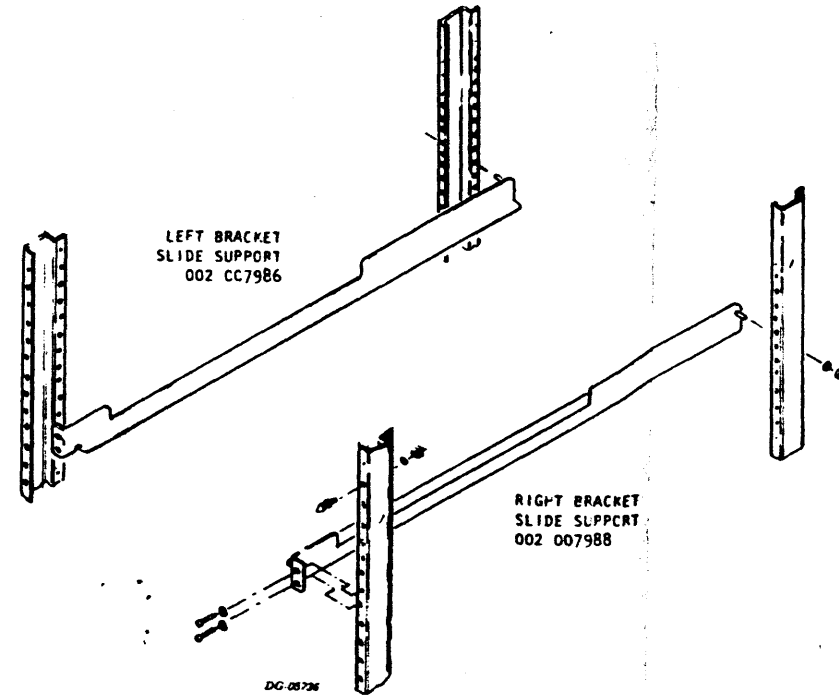
DATA GENERAL CORPORATION
WESTBORO, MASSACHUSETTS 01581
SIZE C CODE 010 DRAWING NUMBER 000212 REV 03

CABINET MOUNTING

INSERTING PC BOARD

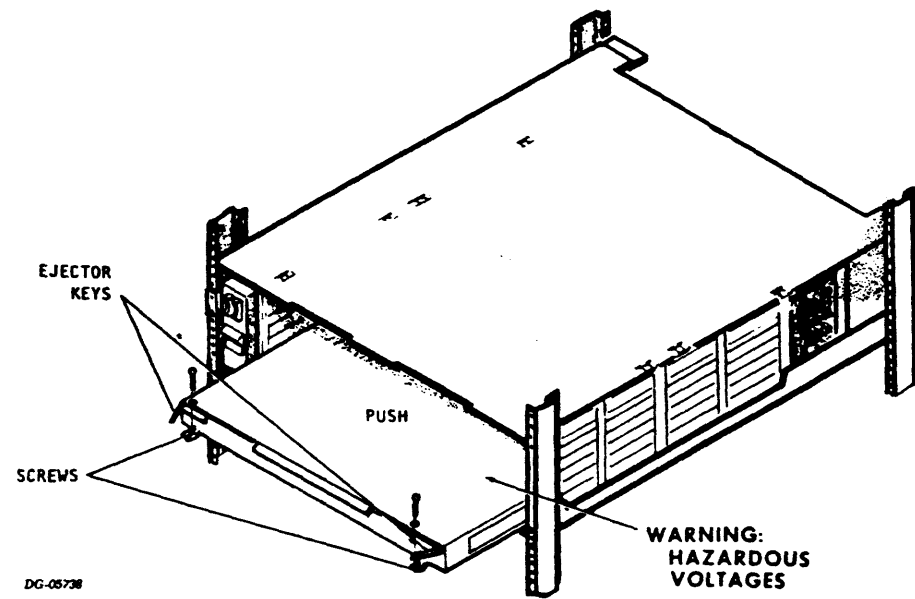


LEFT BRACKET
SLIDE SUPPORT
002 CC7986

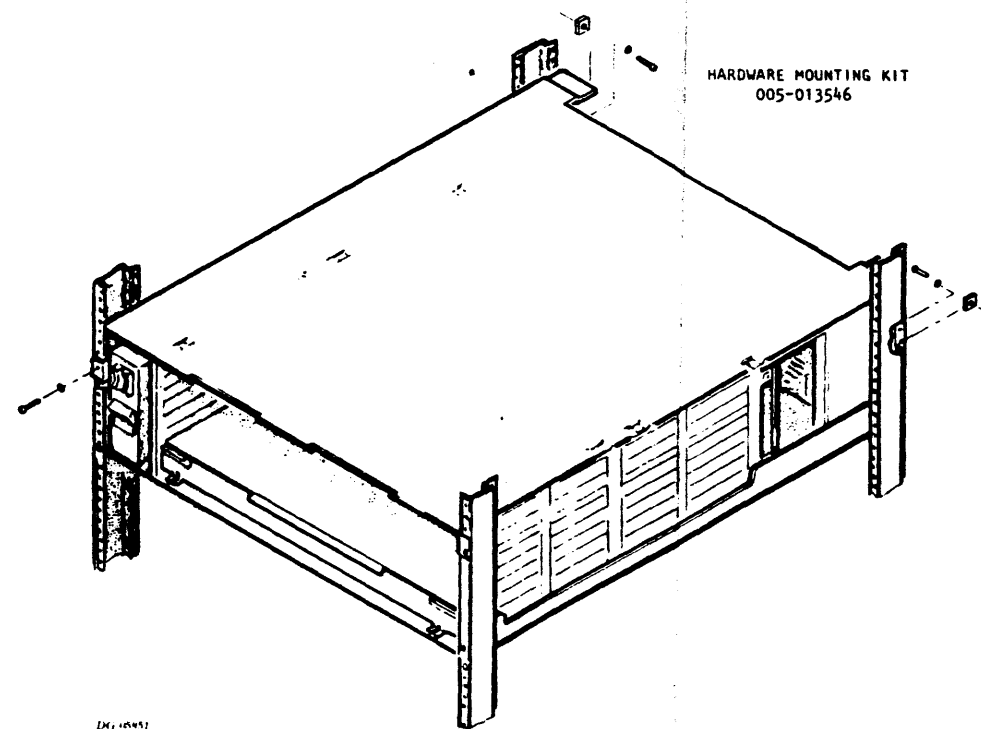


RIGHT BRACKET
SLIDE SUPPORT
002 007988

INSERTING POWER SUPPLY PCB



HARDWARE MOUNTING KIT
005-013546



013-000840
BRUNING 40-526 27928

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DATA GENERAL CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.

REV	DATE	APP	CHECKED	ENGINEER

DRAWN	APPROVED

TITLE
INSTALLATION DATA SHEET
NOVA 4 5-SLOT

DATA GENERAL CORPORATION
WESTBORO, MASSACHUSETTS 01581

SIZE	CODE	DRAWING NUMBER	REV
C	010	000212	03