HP 3000 Computer System

HP 3000 Series 64 Computer System
GIC Add-On
Installation Manual

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LIST OF EFFECTIVE PAGES

The List of Effective Pages gives the date of the current edition and of any pages changed in updates to that edition. Within the manual, any page changed since the last edition is indicated by printing the date the changes were made on the bottom of the page. Changes are marked with a vertical bar in the margin. If an update is incorporated when an edition is reprinted, these bars are removed but the dates remain.

All pages are original issue.

PRINTING HISTORY

New editions are complete revisions of the manual. Update packages, which are issued between editions, contain additional and replacement pages to be merged into the manual by the customer. The date of the title page of the manual changes only when a new edition is published. When an edition is reprinted, all the prior updates to the edition are incorporated.

First Edition.......................................Mar 1982

This manual contains instructions for installing a GIC Add-On I/O Expansion Kit, pn 30079A--Opt. 64, to the HP 3000 Series 64 Computer. The procedure is as follows:

1. Back up the computer on magnetic tape or flexible disc.

2. Power-down the computer.

3. Determine whether the computer has one or two Intermodule Bus I/O Adapters (IMB IOAs), and if two, whether you are adding the GIC to IMB IOA #1 or #2.

4. If you are adding the new GIC to IMB IOA #1, install the PCA in one of slots 13-21, as shown in Table 1. If you are adding the new GIC to IMB IOA #2, install the PCA in one of slots 1-7, as shown in Table 2. Before actually placing the PCA in the slot, inspect the following areas:

    a. Locate the Processor Switch on the front plane and determine if the switch is labeled A/B or CPU/CPP. If CPU/CPP, open spare parts package and find labels reading "A" and "B". Place the "A" label over the CPU label; place the "B" label over the "CPP" label.

    b. Ensure that all switches are set to the "in" position, i.e., toward the stiffener bar, except for the Processor Switch, which should be in the "out" position (toward the "B" label).

5. Connect the GIC hood connector to the GIC's front plane edge connector. Secure the other end of the hood connector to the lower left row of a junction panel, as shown in Figure 1.

Table 1. One-IMB Configuration

SLOT	ASSEMBLIES	CHANNEL #	"TO" DEVICE
24	IMBI		
23	GIC	2	MAG TAPE
22	GIC	3	SYSTEM DISC
21-13*	GIC or DEV.INTF	4-15	OTHER DISCS; INP'S; MAG TAPES; PRINTERS ETC
12*	SIB	1	AIB
11-4	AIB		ASYNCHRONOUS TERMINALS

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+---------------NOTE*-------------------+
|                                       |
| A GIC or a SIB must be installed within |
| every ten slots;  thus  the SIB is con- |
| figured in slot 12 to insure this cond- |
| ition is met for std. config. If option-|
| al GICs  are  installed  then  the SIB |
| should be installed in Slot 9, with AIB |
| in slots 8-1, so that channels are still|
| within the 10 slot limit.             |
+---------------------------------------+
```

```
+--------------WARNING---------------+
|                                    |
| Two INPs should  never be  configured |
| in consecutive slots 1 and 2 or slots |
| 9 and 10.                          |
+------------------------------------+
```

Table 2. Two-IMB Configuration

SLOT	ASSEMBLIES	CHANNEL No.	"TO" DEVICE
IMB No. 1			
24	IMBI No. 1		
23	GIC	2	MAG TAPE
22	GIC	3	SYSTEM DISC
21-18*	GIC	4-15	OTHER DISCS, TAPES, INPS, PRINTERS, etc.
17*	SIB	1	AIB
16-9	AIB		

```
+----------------NOTE*----------------+
| Insure that A GIC or SIB Channel is |
| always installed within 10 physical |
| slots of each other.                |
+-------------------------------------+
```

SLOT	ASSEMBLIES	CHANNEL No.	"TO" DEVICE
IMB No. 2			
8	IMBI No. 2		
7-1*	GIC, DEV.INIFS SIB,AIB	1-15	DISCS,TAPE,PRINTERS, INPS etc.

6
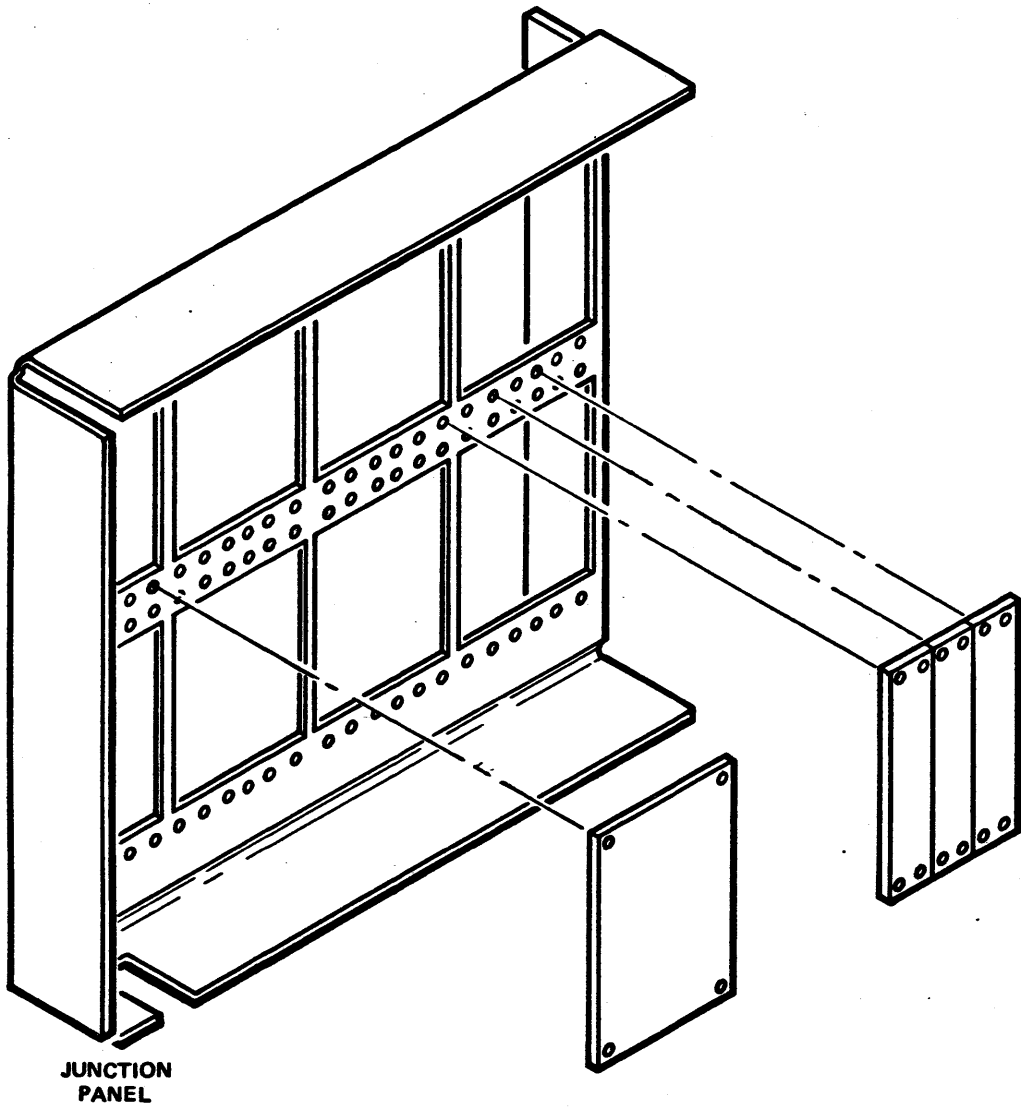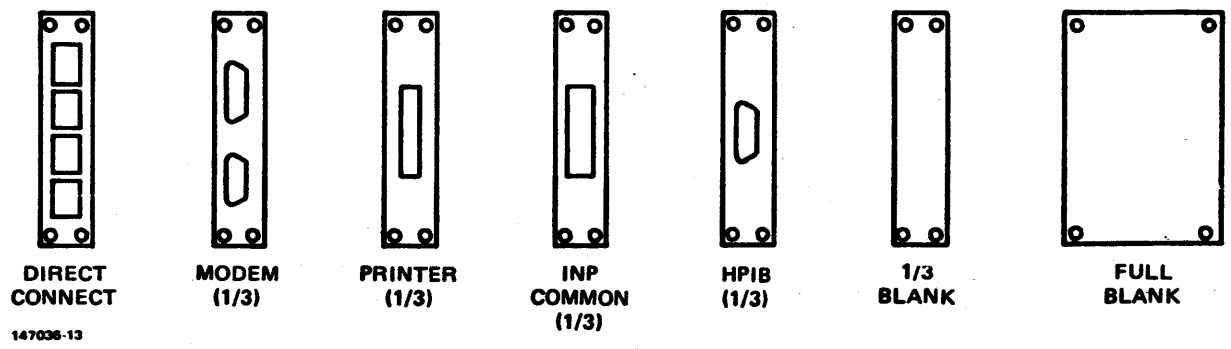
JUNCTION
PANEL

DIRECT
CONNECT

MODEM
(1/3)

PRINTER
(1/3)

INP
COMMON
(1/3)

HPIB
(1/3)

1/3
BLANK

FULL
BLANK

147036-13

Figure 1. Junction Panels and Mounting Panels