Hitachi Disk Array Subsystem

for AS/400 Support Product

240 Emulation
480 Emulation
580 Emulation

Setting Manual

Preface

This manual describes setting procedures to Hitachi Disk Array Subsystem for IBM AS/400 system support product.

Trademarks

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AS/400	**IBM**
OS/400	**400**

Hitachi Disk Array Subsystem for AS/400 Support Product Setting Manual

REVISION CONTROL LIST

Reason codes AD: Addition CH: Change CR: Correction DL: Deletion

Rev.	Date	Written by	Checked by	Approved by	Sheet No.	Description	Reason codes
0	Jan.18.'96	H.Ogawa	K.Tanaka	K.Muraoka	All	First edition	-
1	—	—	—	—	—	Rev.1 is missing	—
2	Feb.07.'97	H.Ogawa	K.Tanaka	K.Muraoka	6	Chapter 1.2: Addition of manuals common to open system.	AD
					6	Chapter 1.2: Correction of manual name	CR
					6	Chapter 1.3: Clearly explained that data may disappear by this set-up.	AD
					7	Chapter 2: • Modification of procedure to ascertain the operation after setting finished. • (2)Addition of modifying procedure for set-up parameters.	AD
					7- 7-1	Chapter 2: Revision of explanation.	CH
					7-2	Chapter 2.2: New (Explaining relations between hardware configuration and emulation models)	AD
					8	Chapter 3.1: Addition of list of setting items.	AD
					8-13	Chapter 3.1 and Chapter 3.2: General modification as below. • Modification of explanation due to change in ROM. • Modification in spare disk, 480 emulation and change in setting parameters due to support for connection to Power PC.	CH
					9-13	Chapter 3.2: Separation of "Operation Procedure for New Set-up " and "Operation Procedure for Modifying set-up information"	CH
					14	Chapter 3.3: Revision of explanation.	CH
					14-16	Section 3.3.1: Addition of operation flow to institute EEPROM.	AD

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Rev.	Date	Written by	Checked by	Approved by	Sheet No.	Description	Reason codes
					15-16-1	Figure 3.3.3: Correction in modification of setting items due to change in ROM.	CH
					17-40	Chapter 3.1~3.21 were put together to Chapter 3.3 (3.1~3.21→3.3.2 ~ 3.3.22)	CH
					22	Section 3.3.7 LAN Connection: Correction in added items due to change in ROM.	CH
					27	Section 3.3.10 Construction of the Connection to AS/400: Following correction for connection to Power PC. • Modification in Table 3.10-① • Addition of Table 3.10-②	CH
					31	Section 3.3.14 Type of Controller: Addition of choices in unified ROM. (Addition of “HIGH RACK MOUNT” type)	CH
					32	Section 3.3.15 Spare disk: Modification in explanation due to supporting a spare disk.	CH
					34-35	• Changing setting value on shipment. “9507”→”A000” • “9337-240”→“9337”	AD
					34-35	Section 3.3.17 Serial number: Separation of “Operation for New Install” and “Operation for connecting AS400”	CH
					37	Section 3.3.19 System LBA: • Deletion of items in the Table 3.19 related to 240 emulation using a 4GB disk drive which was made invalid. • Clearly explained in a note that the setting value differs from open system case.	CH

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Rev.	Date	Written by	Checked by	Approved by	Sheet No.	Description	Reason codes
					37	Section 3.3.19 System LBA No.: Following modification • Disuse of drive model name DF-F300-E1D2 • Addition of drive model name DF-F300-E2C4	AD
					37-1-37-2	Section 3.3.20 LAST LBA for each ROW: Addition of new setting method due to change in ROM.	AD
					38-40	Change in section number due to addition of setting method. 3.3.20,21,22 → 3.3.21.22.23	CH
					40-1-40-3	Addition of items for setting method in new set-up due to change in ROM to following sections. 3.3.24 INQUIRY Response Information" 3.3.25 Booting System Property" 3.3.26 Internal Clock"	AD
					41	Change in section number due to addition of setting method. 3.3.23 → 3.3.27	AD
					41	Section 3.3.23: Addition of operation to finish EEPROM setting.	CH
					42	Chapter 4(1): Revision of setting.	AD
					42-42-1	Chapter 4 Setting Internal Drives: • Modification of operation procedure due to support of function for loading parameters from the parameter FD. • Addition of drive formatting time in 480 emulation.	CH AD
					43	Chapter 5(1): Clearly explained in a note that the system differ from open system case.	AD
					47-79	Chapter 6: Operations are explained separately for each controller type.	CH

REVISION CONTROL LIST

Reason codes AD: Addition CH: Change CR: Correction DL: Deletion

Rev.	Date	Written by	Checked by	Approved by	Sheet No.	Description	Reason codes
					55	6.2.2-(5)-③: Addition of LU configuration (LU size) in 480 emulation.	AD
					56	6.2.2-(5)-④: Revision of expression	CH
					59	6.2.2-(6)-③: Addition of LU formatting time in 480 emulation.	AD
					60	6.2.2-(6)-④: Revision of expression	AD
					70	6.2.3-(5)-③: Addition of LU configuration (LU size) in 480 emulation.	AD
					71-73	6.2.3-(5)-④,⑤,⑥: Revision of expression	CH
					76	6.2.3-(6)-③: Addition of LU formatting time in 480 emulation.	AD
					77-78	6.2.3-(6)-④,⑤: Revision of expression	AD
					80-81	Chapter 7: Addition of operation procedure to ascertain operation.	AD
					82-84	Appendix A: Addition on the serial number.	AD
					86	Correction of expression for supporting 480 emulation. • “9337-240”→“9337”	AD
3	May.09.’97	H.Ogawa	K.Tanaka	K.Muraoka	7	Description and the contents revised.	CR
					7-1	Description deleted.	DL
					7-2	Drive name revised in table 2.2.1. • “E2C2”→“E2C2A” • “E2C4”→“E2C4A”	CR
					9	Figure 3.1.1-① revised with the setting change of built in drive.	CR
					9-6	Deletion with the setting change of built in drive.	CH
					11-13	Section 3.2 deleted.	DL
					16	Revising an error. • “CONFIGURE” →“CONFIG”	CR
					16-1	Revising an error. • “RCT”→“RTC”	CR
					22	Revising an error. • “GATAWAY” →“GATEWAY”	CR

REVISION CONTROL LIST

Reason codes AD: Addition CH: Change CR: Correction DL: Deletion

Rev.	Date	Written by	Checked by	Approved by	Sheet No.	Description	Reason codes
					24	Description revised with the change of multiple ID setting.	CH
					25	Revising an error. • “UNKOWN” →“UNKNOWN”	CR
					33	Revising an error. • “CONFIGURE” →“CONFIG”	CR
					37- 37-2	Drive name revised with the change of built in drive setting. • “E2C2”→“E2C2A” • “E2C4”→“E2C4A”	CR
					42- 42-1	Deletion with the setting change of built in drive.	CR
4	Jul.04.’97	H.Ogawa			1, 7.2 8.1, 8.2, 27, 55, 59, 70, 72, 73, 76	Descriptions concerning the Emulation were added. Notices were added that the operations concerning the LUN4 through LUN7 were necessary only for the models having 2 rows of drives.	AD AD

CONTENTS

1. Overview

1.1 Scope

This manual applies to the setting operation of Hitachi Disk Array (hereinafter referred to as DF300) that can be connected to the AS/400 system.

1.2 Related Specifications

(1) The following specifications are common to open system's specifications. Refer open system's specifications.

DF300 Maintenance Manual •DF300 Disk Subsystem Mini tower Type Maintenance Manual or •DF300 Disk Subsystem Rackmount Type Maintenance Manual

(2) The following specifications apply AS/400 Support Product Specifications only.

Hitachi Disk Array Subsystem for AS/400 Support Product Specifications

Hitachi Disk Array Subsystem for AS/400 Support Product Setting Manual Precautions for operation

1.3 Precautions for Operation

Be sure to make backup data before setting operation. With the setting operation, all the data on DF300 will be lost.

2. Procedures of Setting up AS/400 Support Product

2.1 Outline of Setting-up

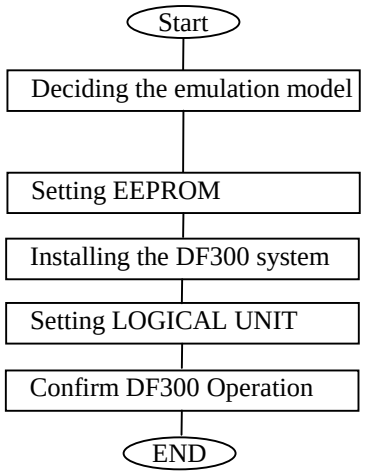
[Cases to be applied]

Execute a fresh setting of the AS/400 connection function in following cases.

- In case of the initial setup after DF300 is assembled for the connection with AS/400.

[Installation]

Operations for fresh setting of the AS/400 connection is shown in Figure 2.1.1. Execute a fresh setting of the AS/400 connection following Figure 2.1.1.



Decide the emulation model according to the hardware configuration referring to Section 2.2.

Set up subsystem according to Section 3.1.

Set up subsystem according to Chapter 5.

Set up subsystem according to Chapter 6.

Set up subsystem according to Chapter 7.

Figure 2.1.1 Fresh Setting Procedure of the AS/400 Connection Function

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2.2 Emulation Models

Relation between the configuration and an emulation model is shown in Table 2.2.1. The contents of fresh set up depend on the emulation model. Identify the name of the emulation model before the operation.
The disk drive DF-F300-E2C2 and DF-F300-E2C4, etc. is not used. Be sure to use the disk drive in Table 2.2.1.

Table 2.2.1 Relation between the Configuration and an Emulation Model

Item#	configuration		Emulation Model
	Support Type *1	Drive Type	
1	DF300-MK (Mini-tower) DF300-RK (Rack-mount)*2	DF-F300-E2C2A (3.5", 2.0GB, 5400rpm)	240 Emulation
2	DF300-RKH (Rack-mount)*2	DF-F300-E2C4A (3.5", 4.3GB, 7200rpm)*3	480 Emulation 580 Emulation *4

*1. Models not shown here don't support the AS/400 connection function.
*2. This manual describes as "Rack-mount" for both DF300-RK and DF300-RKH.
*3. The disk drive DF-F300-E2C4 is used as 4.1 GB drive in open systems. However, it is used as 4.3 GB drive in the AS/400 connection system.
*4. Operation for setting the 580 Emulation is the same as that of the 480 Emulation. This is because of the AS/400 specification defining that the 9337-580 is positioned as the emulation is recognized as the 9337-480.

3. Setting EEPROM

- **Operation of "Fresh setting of AS/400 Connection Function" is shown in the Section 3.1 and operation of "Changing Parameters" is shown in the Section 3.2, respectively.**

- **Panel operations for setting the EEPROM are shown in the Section 3.3. See the Section 3.3 if required.**

3.1 Operation for the Fresh setting of AS/400 Connection Function

- The EEPROM is in a clear state before the fresh installation. Set the parameters for AS/400 system, by setting the unique parameter values of AS/400 using the "Parameter" disk[*1], and then setting the unique parameter value of the model by the operation panel. Flowchart of these operations is shown in Figure 3.1.1-①. Parameter values are shown in Table 3.1.1.

- If you don't have the "Parameter" disk, you can set the own parameter values of AS/400's by the operation panel as well. In this case, save the unique parameter values of AS/400 used here to a disk to create a "Parameter" disk. After that use it to set-up the unique parameter values of AS/400. Operation for this case is shown as dotted lines in Figure 3.1.1-①.

*1: Parameter values in the "Parameter" disk are the values for 9337-480 emulation as shown in Table 3.1.1 . In case of 9337-240 emulation, follow Table 3.1.1 .

Table 3.1.1 EEPROM Parameter List

Item#	Setting Item			EEPROM Clear States	Contents of Parameter Disk	Final setting Parameters	Setting Operations: With Parameter Disk	Setting Operations: Without Parameter Disk	Notes
1	ROM RESP MODE			BUSY	BUSY	BUSY			
2	REASSIGN BLOCK *1			DF100 MODE	NORMAL MODE	NORMAL MODE		×	
3	WRITE & VERIFY			ON	ON	ON			
4	CACHE INITIAL *1			FIRST 4 MB	FIRST 4 MB	FIRST 4MB			
5	STRIPE SIZE			16 KB	16 KB	16 KB			
6	LAN CONST	CONNECT LAN		NOT CONNECT	NOT CONNECT	NOT CONNECT			
7	TARGET ID			00	06	06		×	
8	MULTI RESP			NO	NO	NO			
9	CONNECT AS/400	CONNECT AS/400		NOT CONNECT	CONNECT	CONNECT		×	
		INQ-UIRY DATA	SCSI VERSION	(All zero)	"0"	"0"		×	
			UNKNOWN1	(All zero)	"09809433530014"	"09809433530014"		×	
			UNKNOWN2	(All zero)	"U8N000"	"U8N000"		×	
			PRODUCT ID	(All zero)	"933748A "	240 Emulation :"9337241 " 480 Emulation :"933748A " 580 Emulation :"933748A "	×	×	
			VENDOR1-1	(All zero)	"000000A090063400"	"000000A090063400"		×	
			VENDOR1-2	(All zero)	"00004A0000000000"	"00004A0000000000"		×	
			VENDOR1-3	(All zero)	"000000"	"000000"		×	
			VENDOR2-1	(All zero)	"000000A090061700"	"000000A090061700"		×	
			VENDOR2-2	(All zero)	"0150800000000000"	"0150800000000000"		×	
			VENDOR2-3	(All zero)	"000000"	"000000"		×	
10	SAVE DATA PTR			NOTHING	AFTER DATA&CMD	AFTER DATA&CMD		×	
11	HOST BLK SIZE			512BYTES	520BYTES	520BYTES		×	
12	ERROR INF			OFF	OFF	OFF			
13	CONTROLLER			DISK TOP	HIGH RACK MOUNT	Select Frame Type	×	×	
14	SPARE DISK			EXISTENCE	NOTHING	Setting according to with/without a Spare Disk	×	×	

×: Setting required

Blank: Setting not required

- Marked Column: Items requiring changes for AS/400.

*1 In some revision the row is not displayed. In these cases, the setting is not required.

Table 3.1.1 EEPROM Parameter List (Continued)

Item#	Setting Item		EEPROM Clear States	Contents of Parameter Disk	Final setting Parameters	Setting Operations: With Parameter Disk	Setting Operations: Without Parameter Disk	Notes
15	CACHE CONFIG	CACHE SLOT #0	NOT EXIST	4M SINGLE	Set according the configuration	×	×	
		CACHE SLOT #1	NOT EXIST	NOT EXIST		×	×	
		CACHE SLOT #2	NOT EXIST	4M SINGLE		×	×	
		CACHE SLOT #3	NOT EXIST	NOT EXIST		×	×	
16	SERIAL NO		(All zero)	"A000"	"A000"	×	×	The value when shipped: "A000". Specify again at the field if required.
17	ROM V/R		(All zero)	"01"	"01"		×	
18	SYSTEM LBA NO *1		(All zero)	"007DC3FF"	240 emulation: :"003B6350" 480 emulation :"007DC3FF" 580 emulation :"007DC3FF"	×	×	Values are different from the OPEN system.
19	ROW LAST LBA *1	ROW #0	(All zero)	"007DC3FF"	240 emulation : 003B6350" 480 emulation : 007DC3FF" 580 emulation : 007DC3FF"	×	×	Values are different from the OPEN system.
		ROW #1						
20	BUZZER		ENABLE	ENABLE	ENABLE			
21	SYSTEM ERROR		AUTO RESET	AUTO RESET	AUTO RESET			
22	GENERATE SYS		NEW SYSTEM	NEW SYSTEM	NEW SYSTEM			
23	INQUIRY INF *1	VENDOR TYPE	"HITACHI "	"HITACHI "	"HITACHI "			Not connected for AS/400
		PRODUCT TYPE	"DF300 "	"DF300 "	"DF300 "			
		COMMAND QUEUING	ON	ON	ON			
24	DUAL CONFIG *1		SINGLE SYSTEM	SINGLE SYSTEM	SINGLE SYSTEM			
25	RTC SET *1		(Default)	(Default)	Year, Month, Day, Day of the Week, O'clock, Minuets, Second	×	×	
26	CANCEL		Select when the EEPROM setting is finished.			×	×	

×: Setting required

Blank: Setting not required

- Marked Column: Items requiring changes for AS/400.

*1 In some revision the row is not displayed. In these cases, the setting is not required.

① Outline of Setting-up

Flowchart of these operations is shown in Figure 3.1.1-①. Operations shown by solid lines are for ordinary operations (using the “Parameter” disk) and those by dotted lines are for operations without using the “Parameter” disk. Operate as shown in operations from②through⑥.

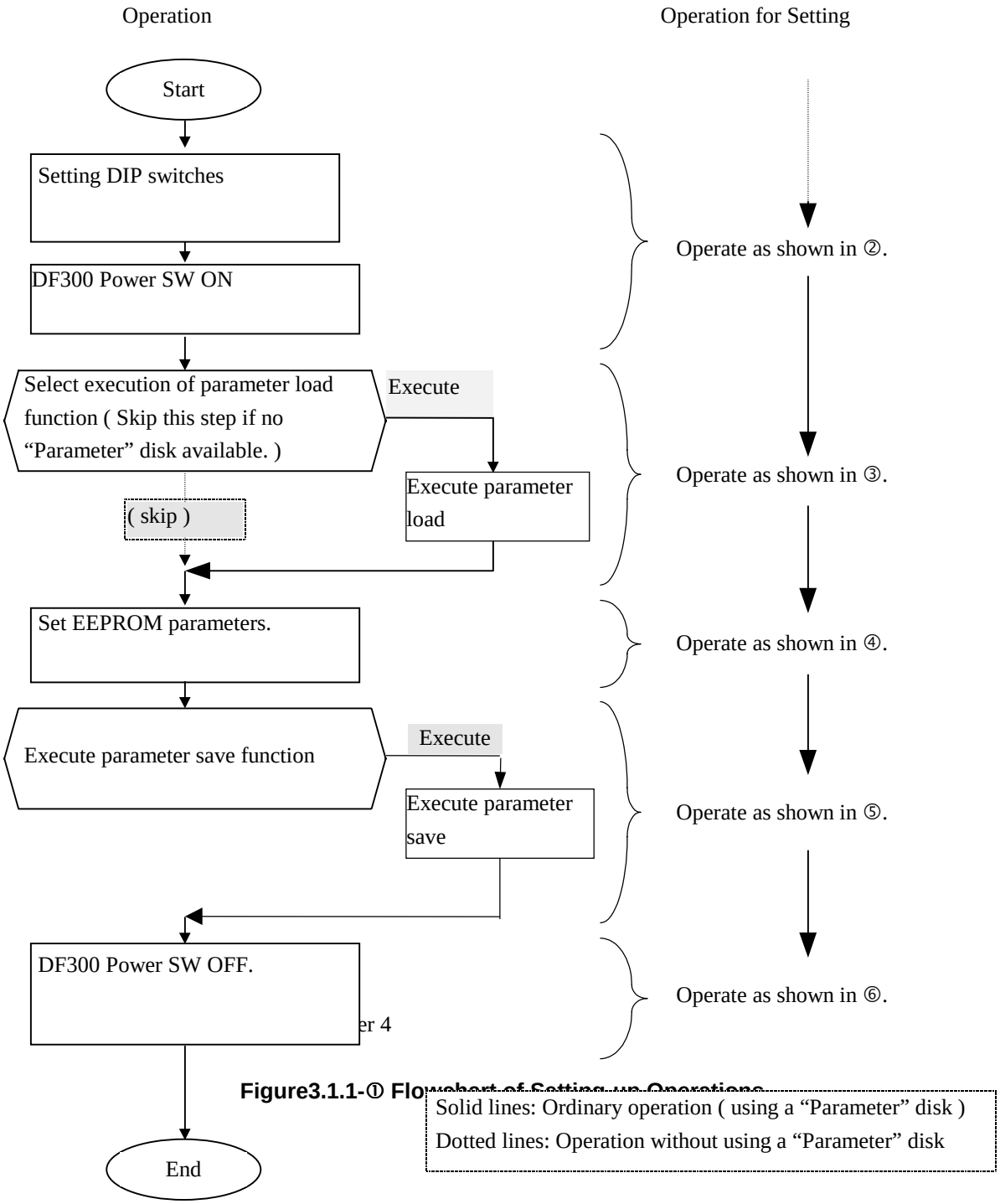


Figure3.1.1-① Flowchart of Setting-up Operations

② Setting the DIP Switches/ turning DF300 Power SW ON

Operate a) to c) below.

a) When the power switch of DF300 is on, turn off the power switch and wait until the power (Ready LED) goes off. (may take several seconds).

b) Set the DIP switches as shown in Figure 3.1.1-②.

c) Turn the power switch of DF300 on.

Mini tower type

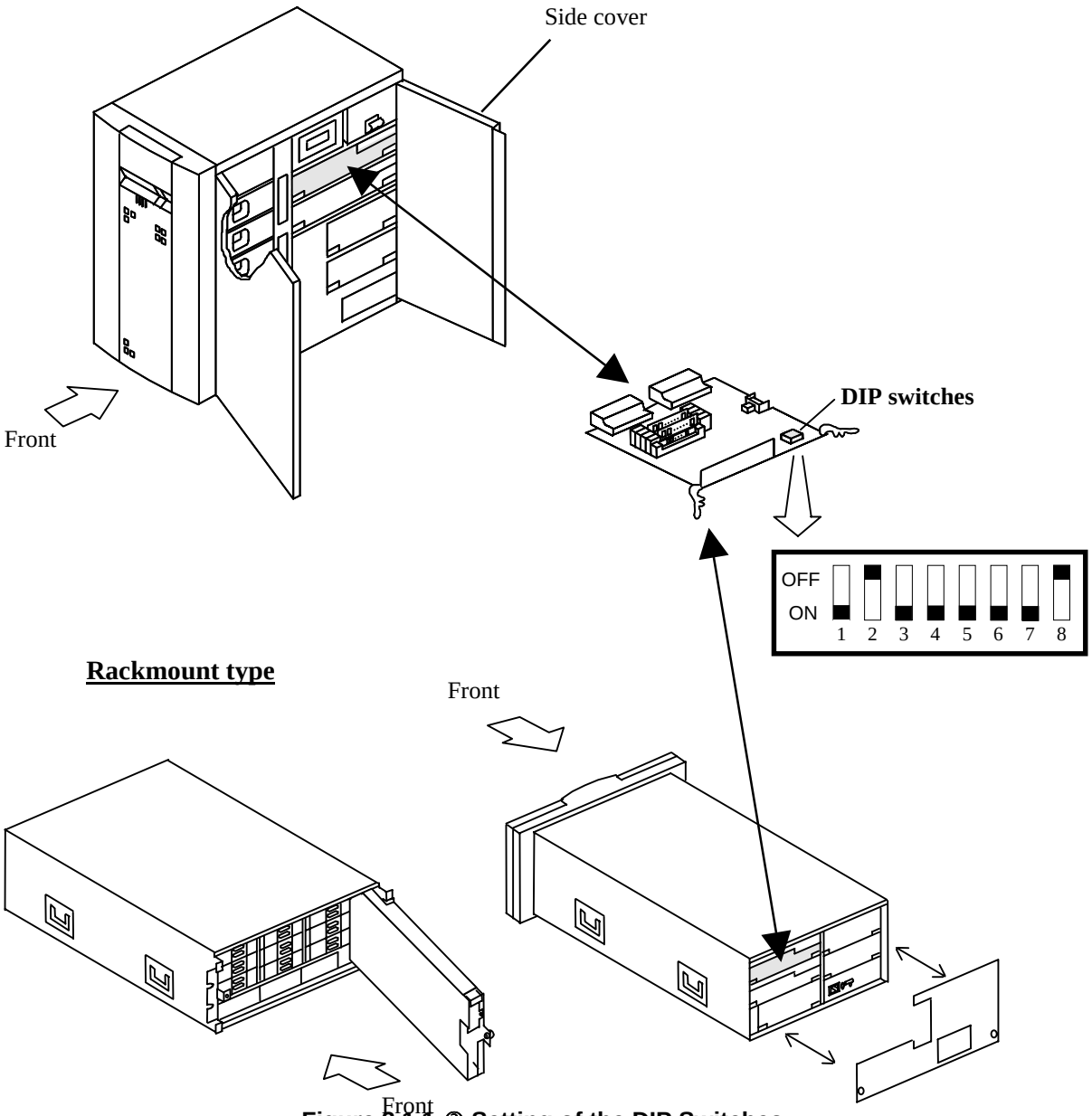
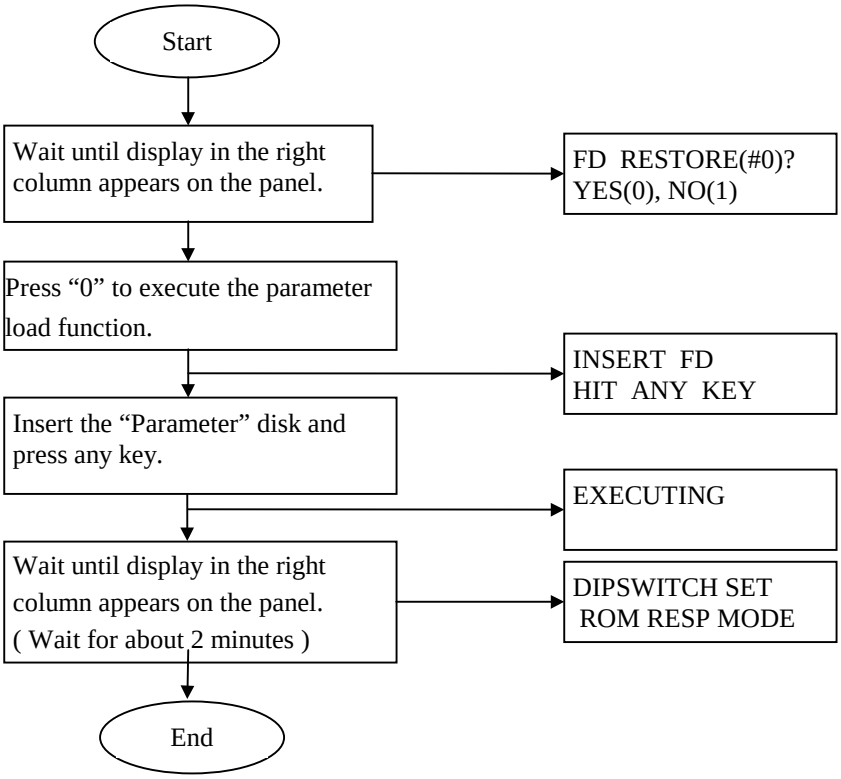


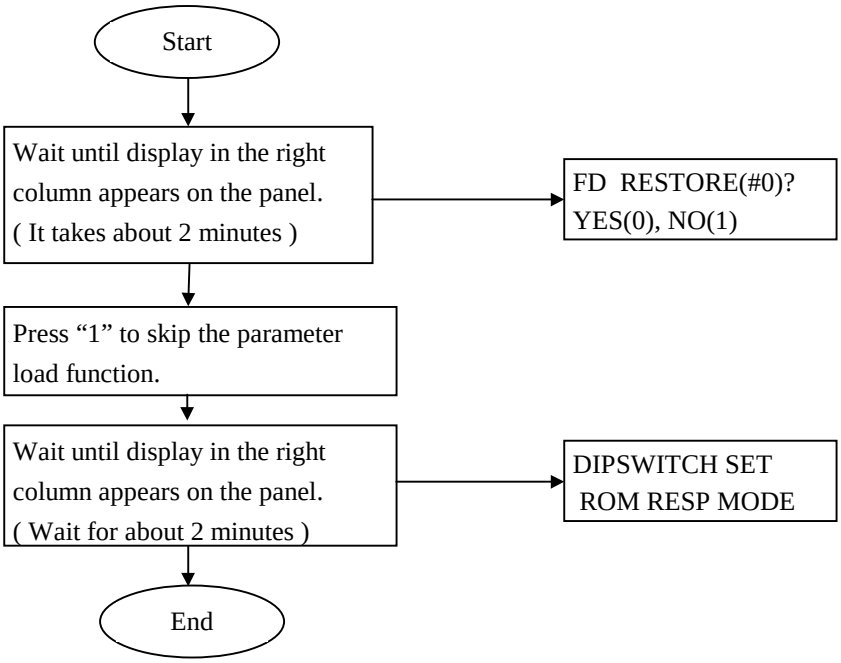
Figure 3.1.1-② Setting of the DIP Switches

③ Executing the Parameters Loading Functions

- In an ordinary setting (using the “Parameter” disk), operate according to Figure a).
- In the case without the “Parameter” disk, parameter loading is skipped. Operate according to Figure b).



a) Operating parameter load execution

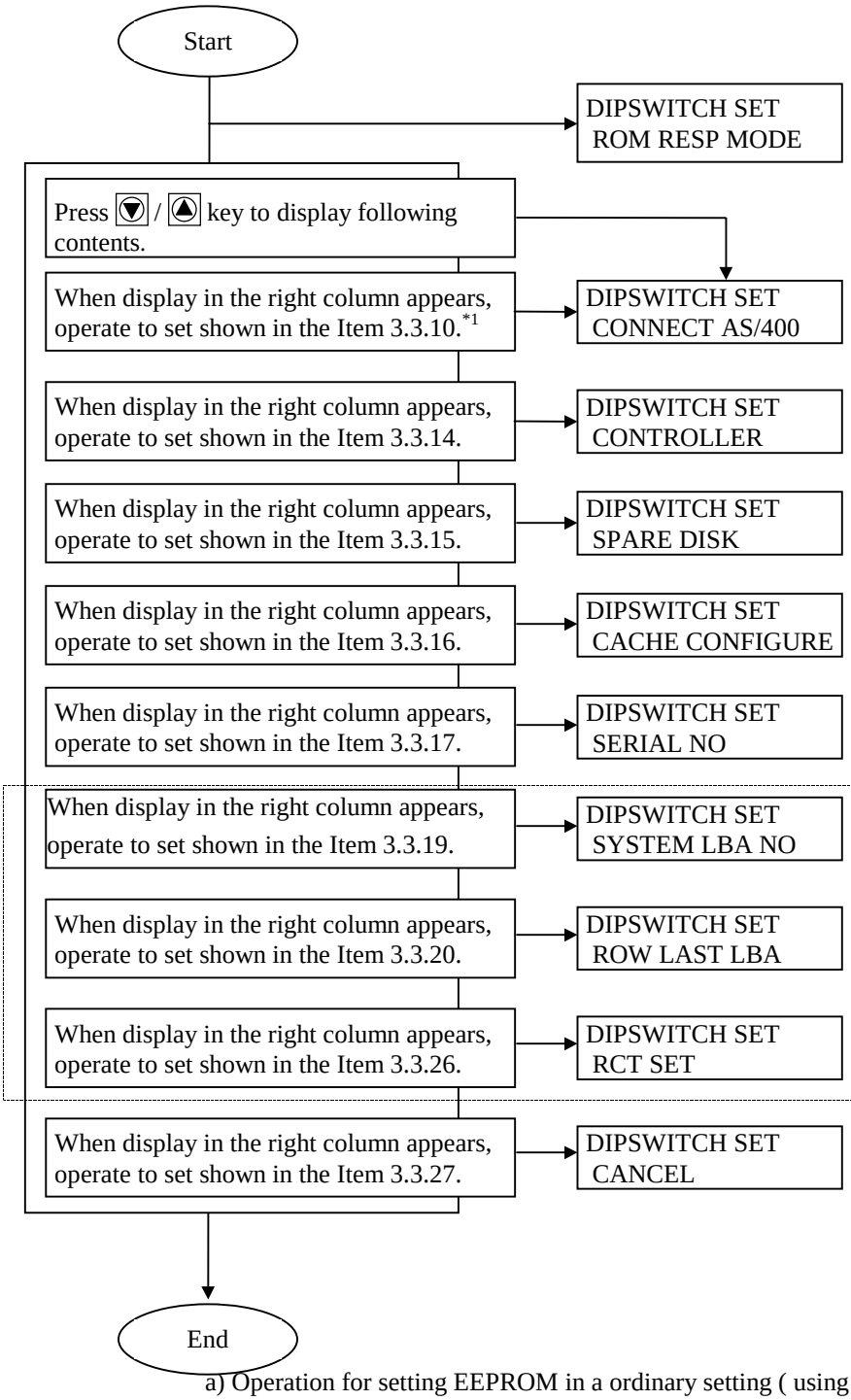


b) Operating parameter load skip

Figure 3.1.1-③ Parameter Load Functions

④ Setting EEPROM Parameters

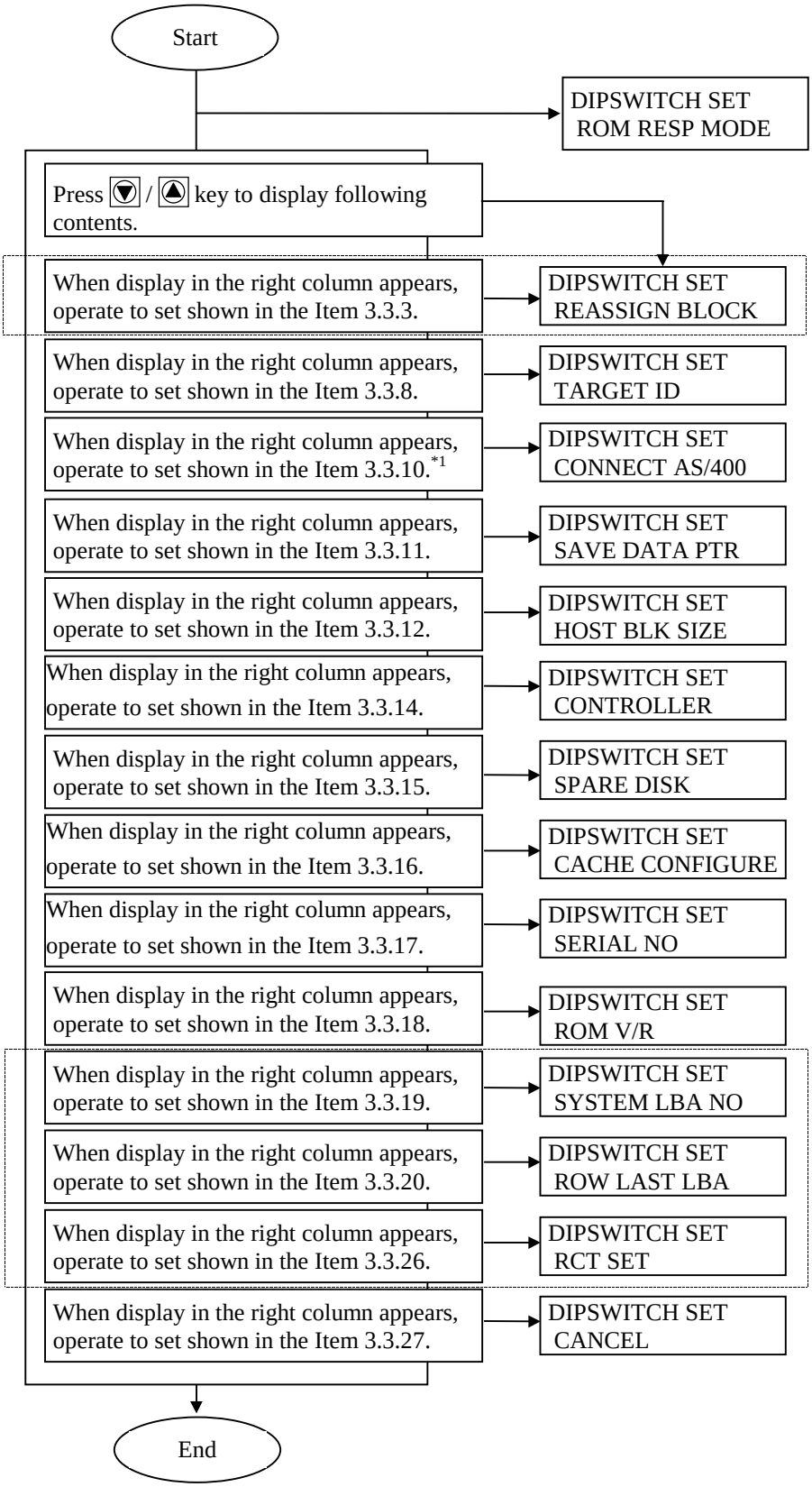
- In an ordinary setting (using the “Parameter” disk), operate according to Figure a).
- In the case without the “Parameter” disk, set parameters of EEPROM according to Figure b). In this case number of parameters to be set increases and the procedure becomes complicated compared to the ordinary setting (with the “Parameter” disk).
- See Section 3.3 where panel operation method is described.



*1 Set only PRODUCT ID. Other items are not required to set.

In some revision these three steps are not displayed. In these cases, those settings are not required.

a) Operation for setting EEPROM in a ordinary setting (using the “Parameter” disk).

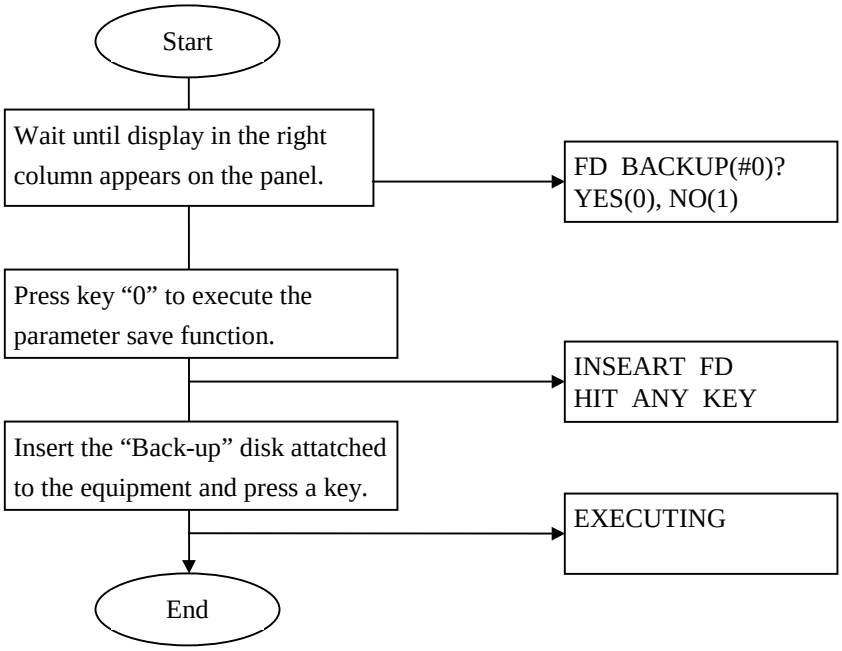


b) Operation for setting EEPROM without using the "Parameter" disk.

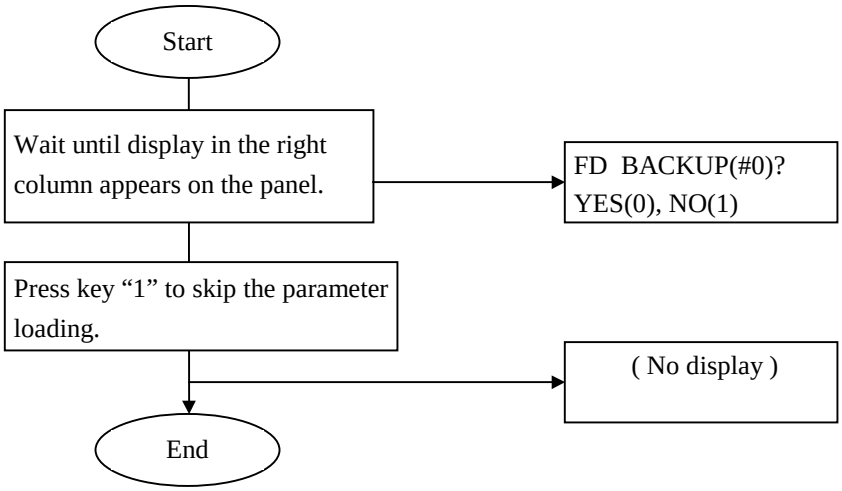
Figure 3.1.1-④ Operation for Setting EEPROM

⑤ Executing the Parameter Save Function

- Back-up the specified parameters to the “Parameter” disk attached to the system. With “Parameter” disk creating operate as shown in Figure a).
- If you don’t have a “Parameter” disk, after making a back-up data to the “Parameter” disk attached to the DF300, copy the back-up data to another floppy disk as a parameter disk. (After that, use it for setting EEPROM parameters.)
- If you are not going to save the Setting parameters operate as shown in Figure b).



a) Operation for executing the parameter save function

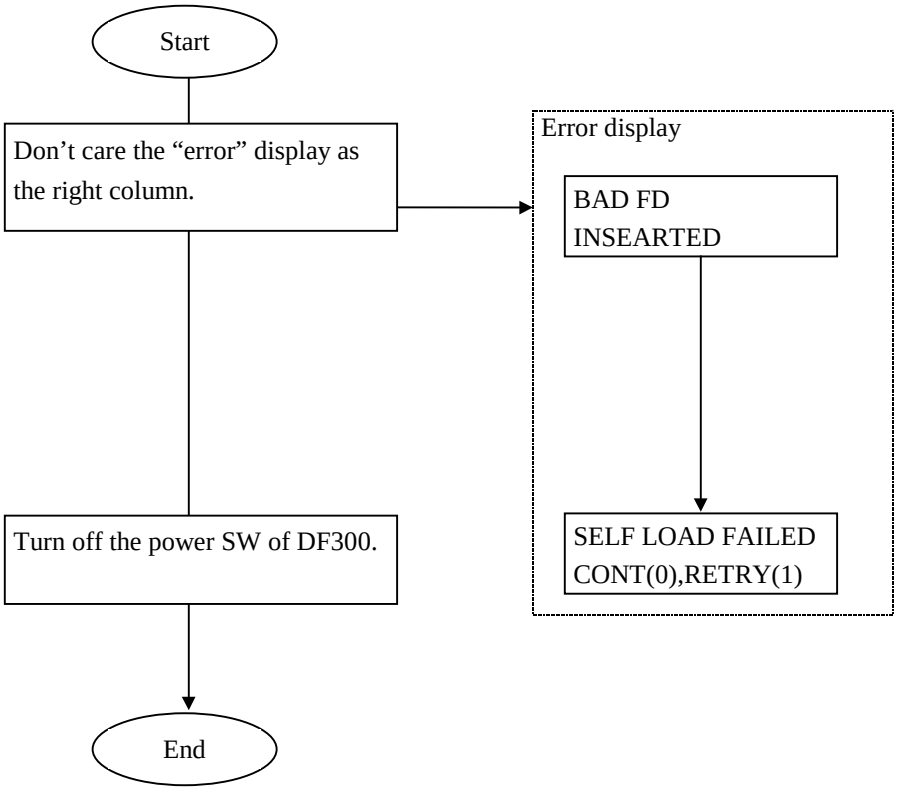


b) Skipping parameter save function

Figure 3.1.1-⑤ Operation for the Parameter Save Function

⑥ DF300 Power SW OFF

Operate as shown in Figure.3.1.1-⑥.



Proceed to Chapter 5

Figure 3.1.1-⑥ Preparing to Execute the Drive Formatting Tool

3.2 Procedure for Changing the Set-up Parameters

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3.3 Panel Operations for Setting the EEPROM

3.3.1 Panel Operations

Followings are the panel operations for setting EEPROM.

(1) Starting to set EEPROM

When Figure 3.3.1 is displayed, you can set the EEPROM.

Figure 3.3.1 Starting Display for Setting the EEPROM

(2) Finishing to set EEPROM

When [ENT] key is pressed during Figure 3.3.2 is displayed, the EEPROM setting ends. Make sure all of the EEPROMs are correctly set before ending the EEPROM setting.

Figure 3.3.2 Ending Display for Setting the EEPROM

(3) Setting each items

[Operating the menu window]

- A display showing "DIPSWITCH SET" is the menu window for setting the EEPROM.
- Pressing [▼] / [▲] key during the menu window is shown, "Previous" / "Next" items are displayed. Figure 3.3.3 is a transition diagram of the menu display.
- Pressing [ENT] key during the menu window is shown, it switches to setting mode for the displayed menu item.

[Operating the setting mode]

- Pressing [ENT] key during a menu window is shown, it switches to setting mode for the displayed menu item.
- See Item 3.3.2 and after, for the operation in a EEPROM setting mode.
- See Table 3.1.1 for the values to be set in a EEPROM setting mode.

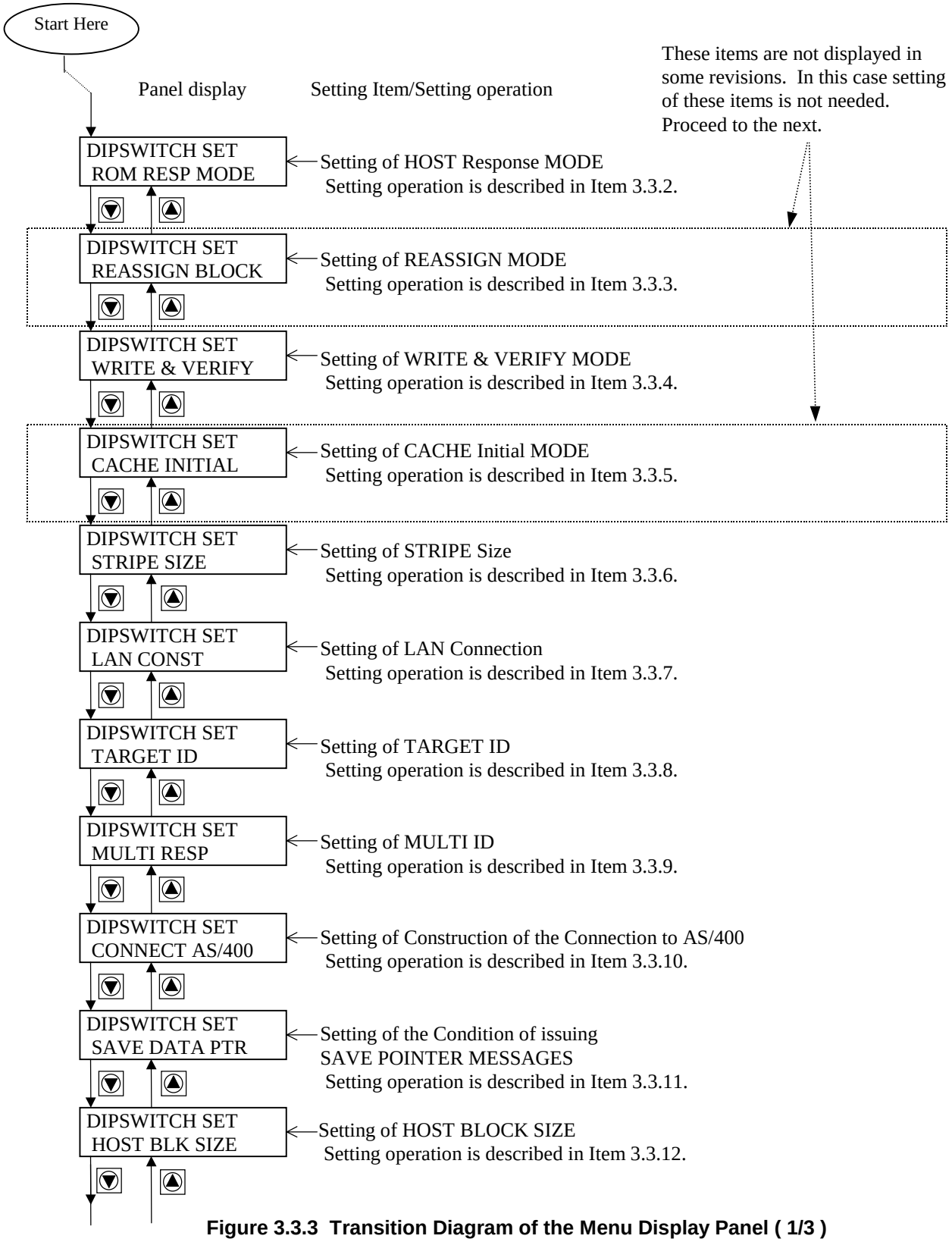


Figure 3.3.3 Transition Diagram of the Menu Display Panel (1/3)

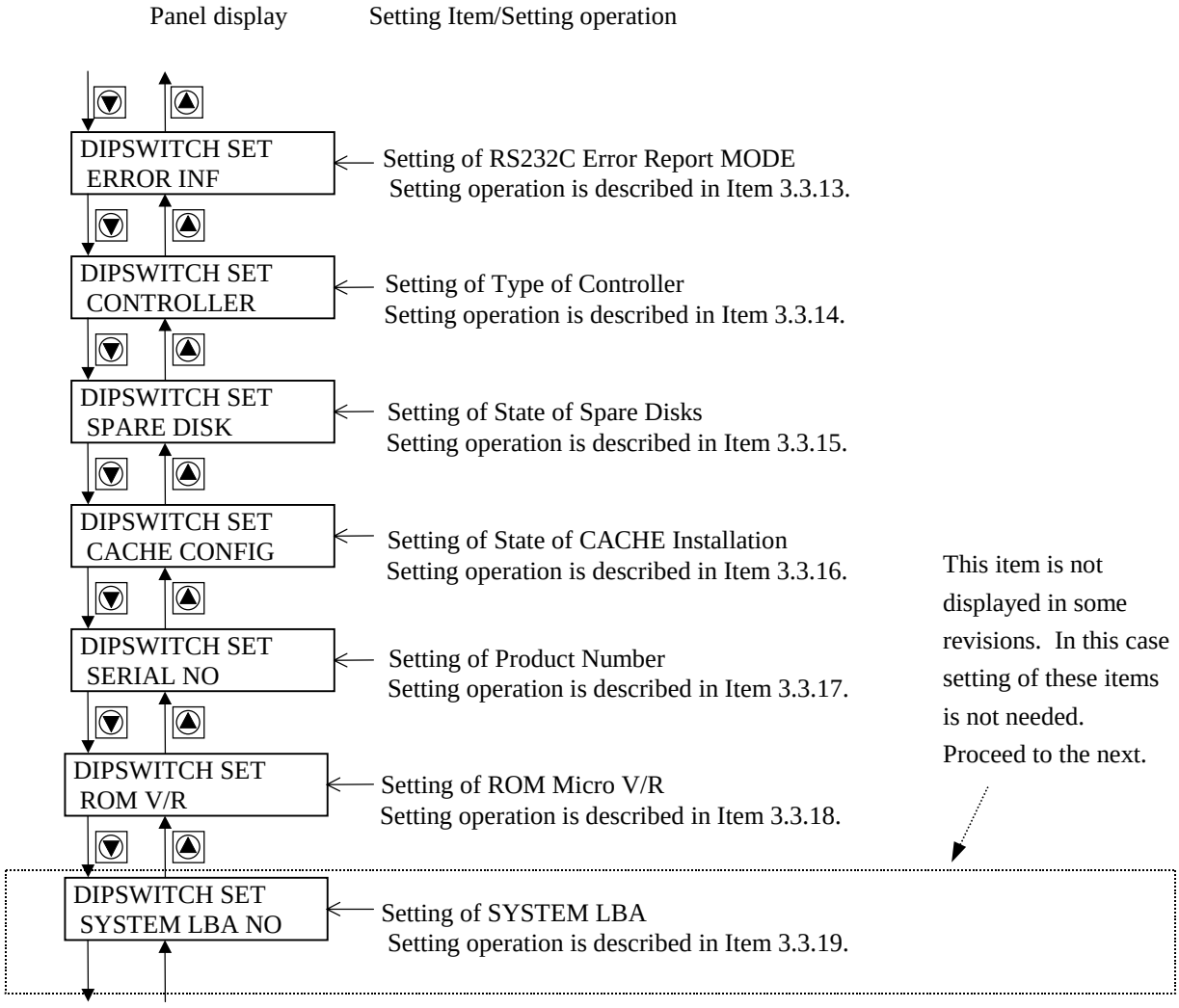


Figure 3.3.3 Transition Diagram of the Menu Display Panel (2/3)

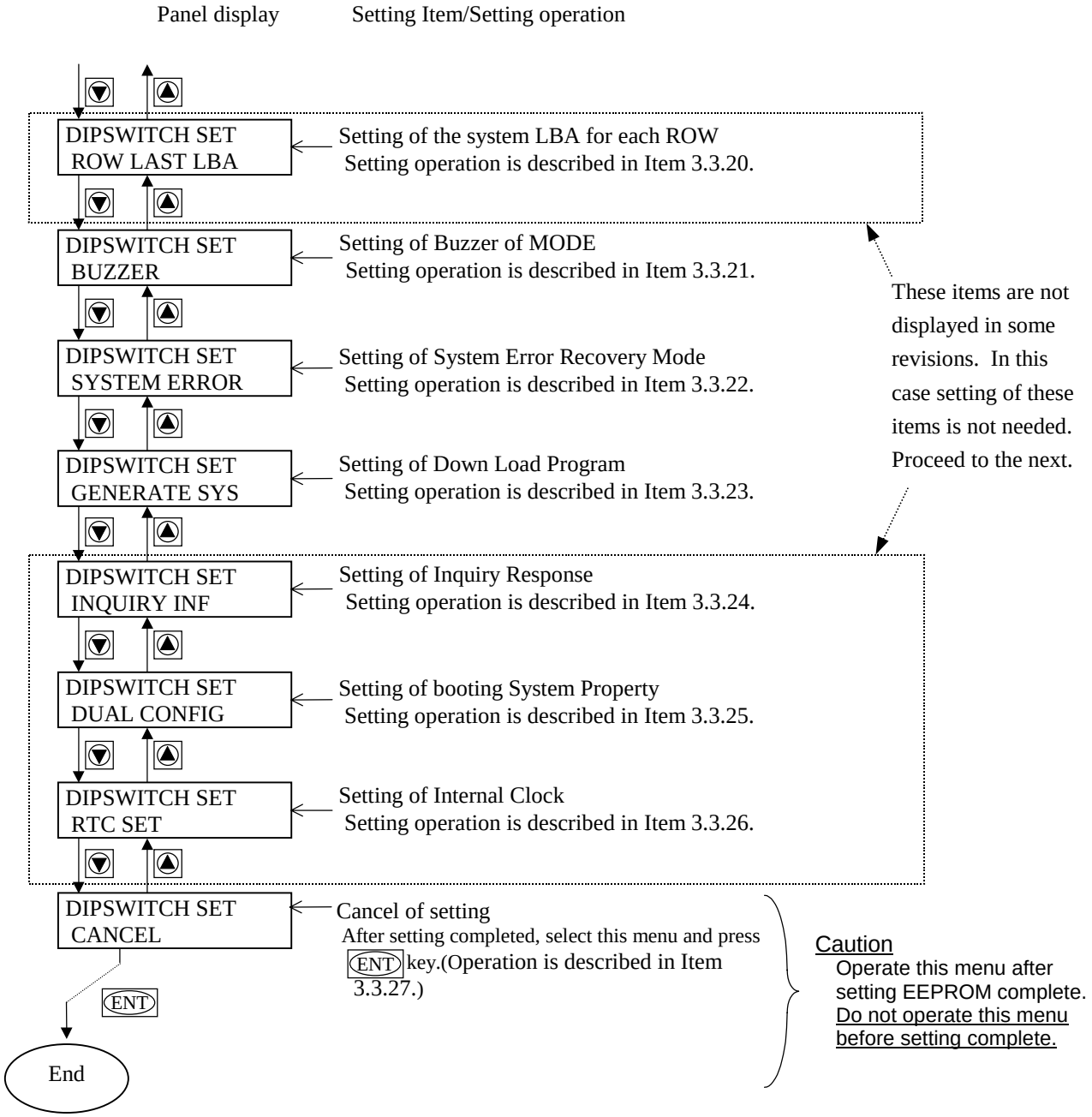
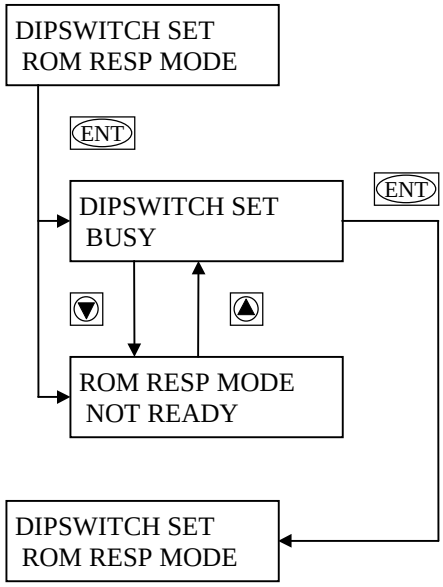


Figure 3.3.3 Transition Diagram of the Menu Display Panel (3/3)

3.3.2 Setting of HOST Response MODE

Panel display



Operation

① Press ▼ key until the display on the left column appears.

② Press ENT key.

③ Select “BUSY” by pressing the ▼ or ▲ key.

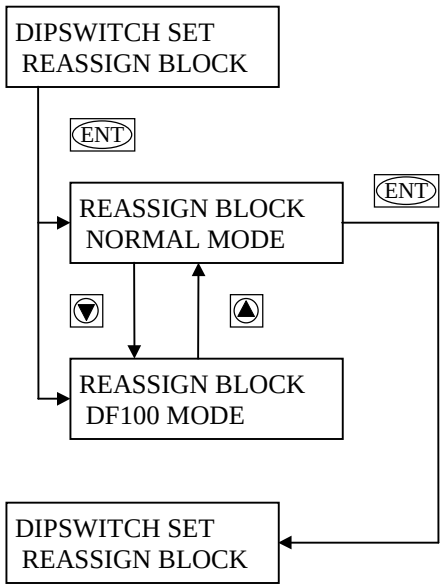
④ Press ENT key.

Here, setting of HOST Response Mode is completed.

	No.	Parameters	Description
Set this →	**1**	**BUSY**	**BUSY status is returned.**
	2	NOT READY	NOT READY status is returned.

3.3.3 Setting of REASSIGN MODE

Panel display



Operation

① Press ▼ key until the display on the left column appears.

② Press ENT key.

③ Select “NORMAL MODE” by pressing the ▼ or ▲ key.

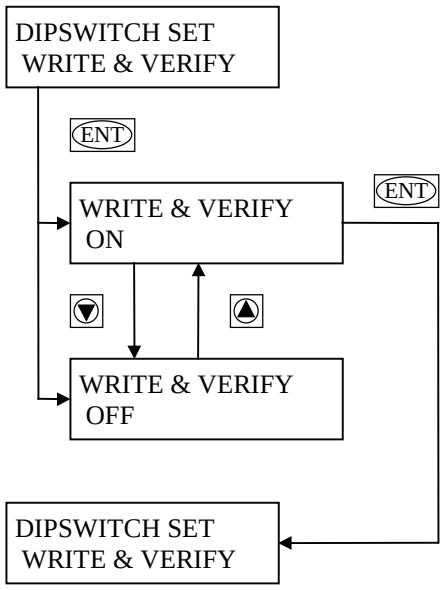
④ Press ENT key.

Here, setting of REASSIGN BLOCK Mode is completed.

	No.	Parameters	Description
Set this →	**1**	**NORMAL MODE**	**Disk drive interchange parameter is used as the parameter for Reassignment.**
	2	DF100 MODE	Parameter including physical drive physical LBA is used as the parameter for Reassignment.

3.3.4 Setting of WRITE & VERIFY MODE

Panel display



Operation

① Press ▼ key until the display on the left column appears.

② Press ENT key.

③ Select "ON" by pressing the ▼ or ▲ key.

④ Press ENT key.

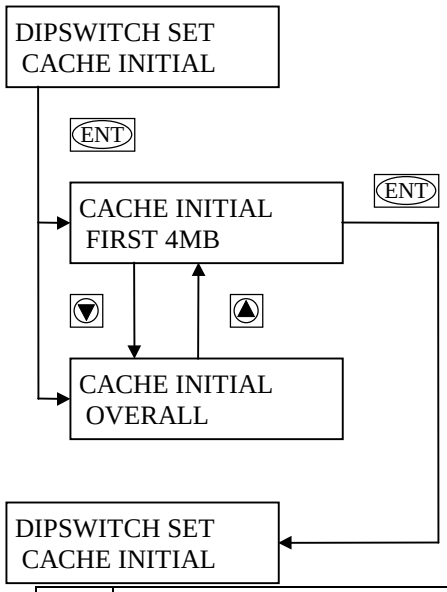
Here, setting of WRITE & VERIFY Mode is completed.

Set this →

No.	Parameters	Description
1	**ON**	**Verifying operation is performed.**
2	OFF	Verifying operation is inhibited.

3.3.5 Setting of CACHE Initial MODE

Panel display



Operation

① Press ▼ key until the display on the left column appears.

② Press ENT key.

③ Select “FIRST 4MB” by pressing the ▼ or ▲ key.

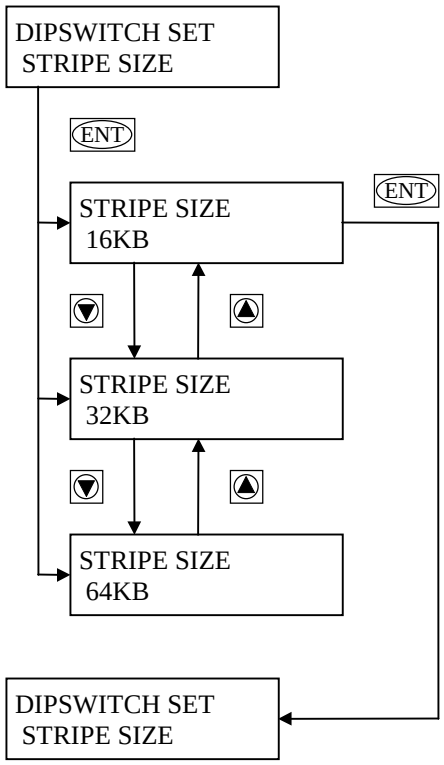
④ Press ENT key.

Here, setting of CACHE INITIAL is completed.

	No.	Parameters	Description
Set this →	**1**	**FIRST 4MB**	**The first 4MB of cache memory is initialized.**
	2	OVERALL	All the area of cache memory is initialized.

3.3.6 Setting of STRIPE Size

Panel display



Operation

① Press ▼ key until the display on the left column appears.

② Press ENT key.

③ Select “16KB” by pressing the ▼ or ▲ key.

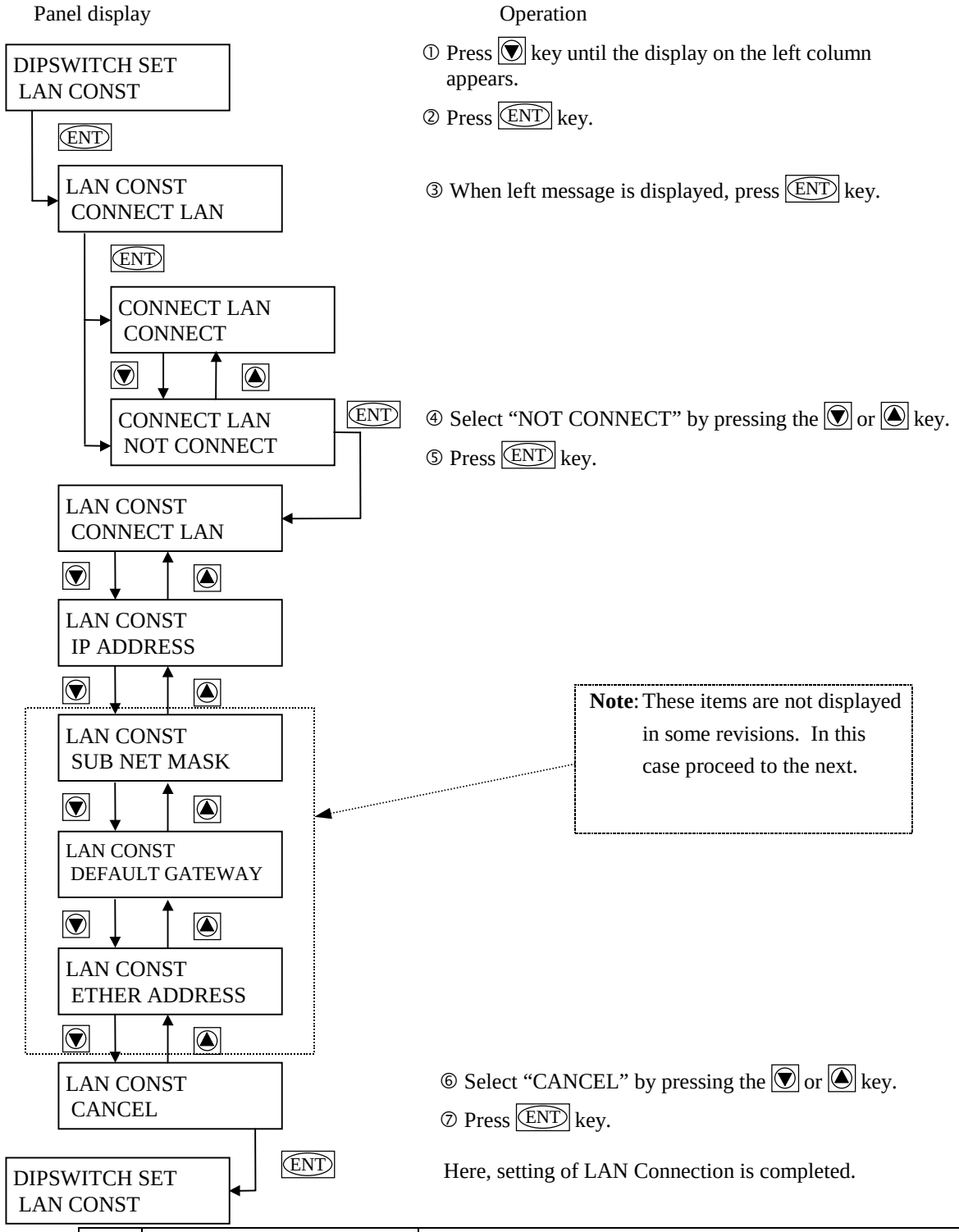
④ Press ENT key.

Here, setting up STRIPE Size is completed.

	No.	Parameters	Description
Set this →	**1**	**16KB**	**Data is striped by 16 Kbytes.**
	2	32KB	(Not Supported. Don’t set this.)
	3	64KB	(Not Supported. Don’t set this.)

3.3.7 Setting of LAN Connection

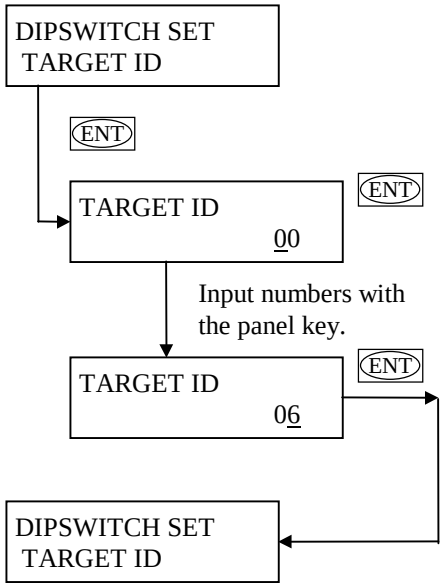
- As for AS/400 connection set up, set “NOT CONNECT”. In this case LAN connection is not supported.



	No.	Parameters	Description
	1	CONNECT	(Not supported. Don’t set this.)
Set this →	**2**	**NOT CONNECT**	**DF300 is not connected to LAN.**

3.3.8 Setting of TARGET ID

Panel display



Operation

① Press ▼ key until the display on the left column appears.

② Press ENT key.

③ Input "06" by using ten key.

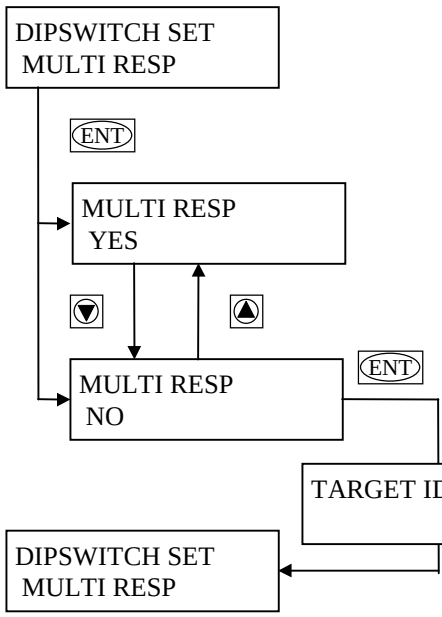
④ Press ENT key.

Here, setting of TARGET ID is completed.

Note: Be sure to set "06" as a TARGET ID for the connection to AS/400.
If the other number than "06" is set, it is not possible to connect DF300 to AS/400.

3.3.9 Setting of MULTI ID

Panel display



Operation

① Press ▼ key until the display on the left column appears.

② Press ENT key.

③ Select “NO” by pressing the ▼ or ▲ key.

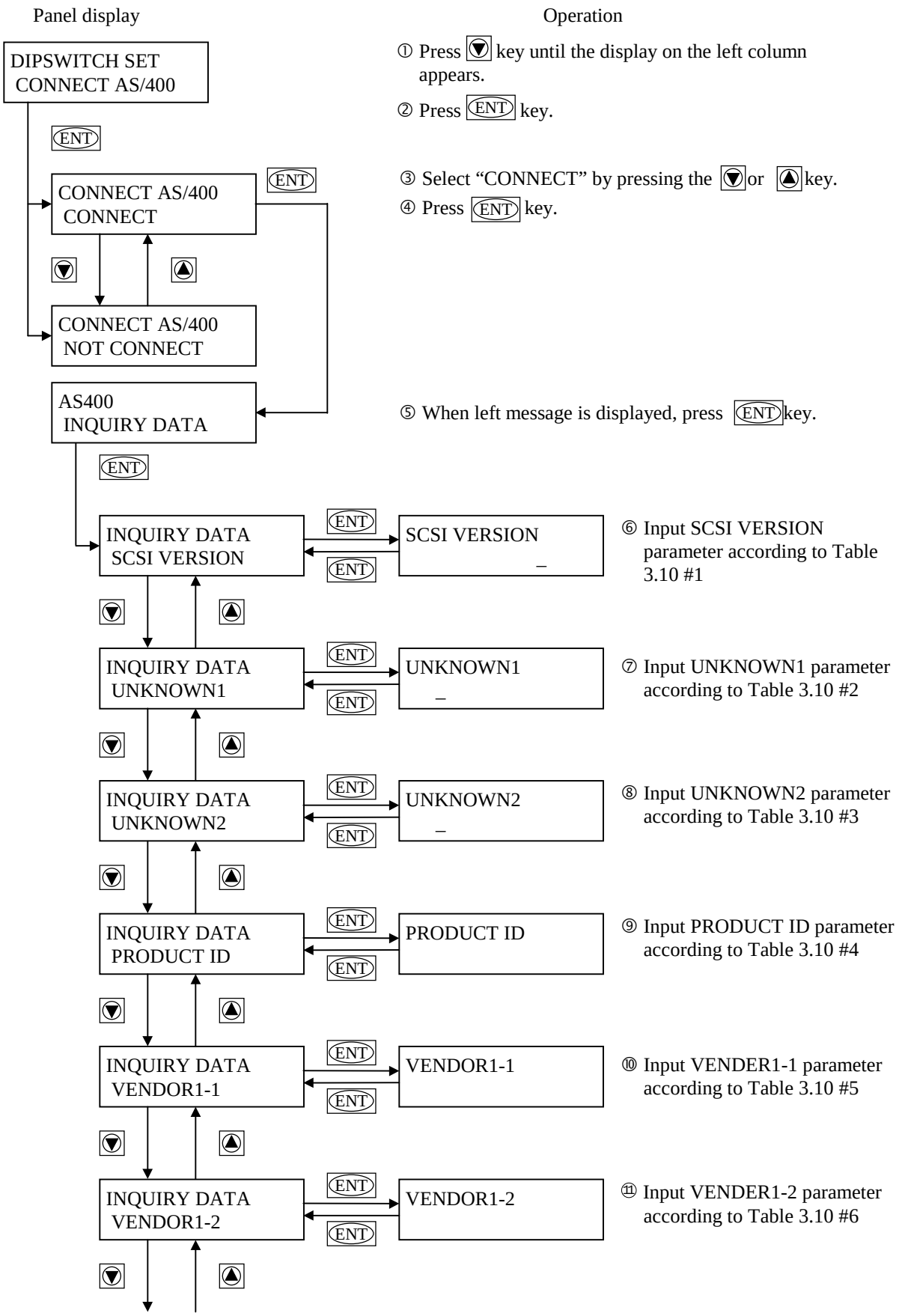
④ Press ENT key.

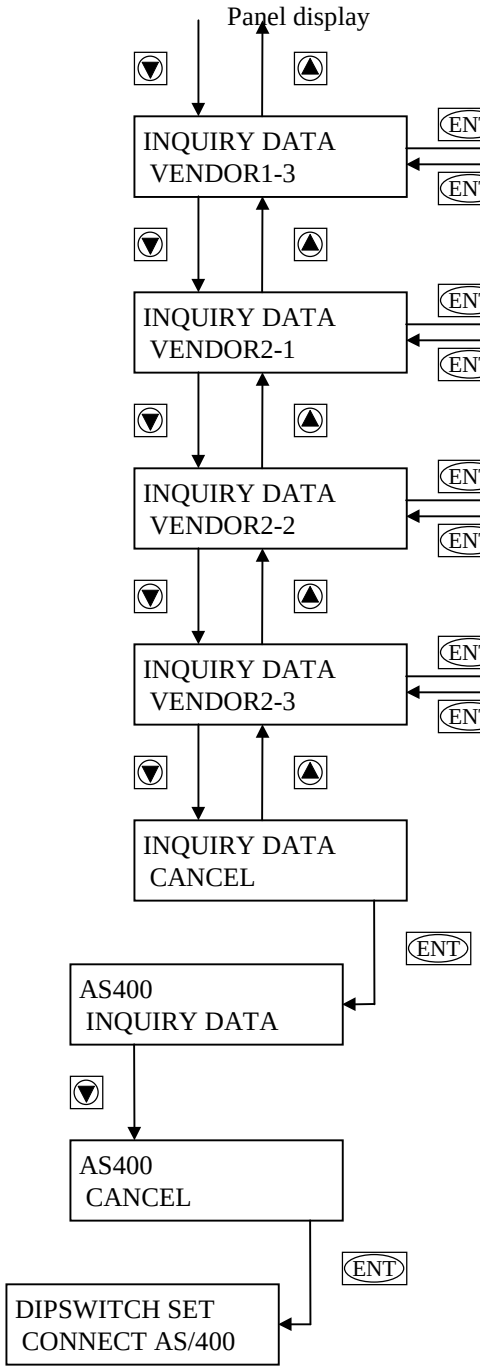
The target ID setting menu screen appears. See 3.3.8 and set the target ID.

Here, setting of MULTI ID is completed.

	No.	Parameters	Description
	1	YES	Set multiple target IDs.
Set this →	**2**	**NO**	**Set single target ID.**

3.3.10 Setting of Construction of the Connection to AS/400





Operation

⑫ Input VENDER 1-3 parameter according to Table 3.10 #7

⑬ Input VENDER 2-1 parameter according to Table 3.10 #8

⑭ Input VENDER 2-2 parameter according to Table 3.10 #9

⑮ Input VENDER 2-3 parameter according to Table 3.10 #10

⑯ When left message is displayed, press ENT key.

⑰ Press ▼ key until the display on the left column appears.

⑱ Press ENT key.

Here, setting of CONNECT AS/400 is completed.

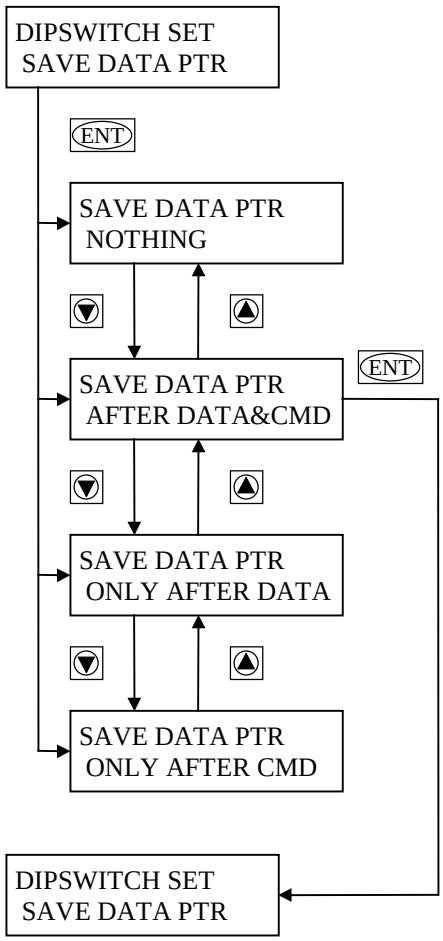
Table 3.10-① The Connection to AS/400 Information Input Parameter and Display Codes

#	Items	Parameter to input
		Displayed code
1	SCSI VERSION	0
		"0"
2	UNKNOWN1	0300 0309 0300 0302 0309 0305 0301 0305 0300 0302 0300 0300 0301 0304
		"09029515020014"
3	UNKNOWN2	0505 0308 0414 0300 0300 0300
		"U8N000"
4	PRODUCT ID	Parameters to input and indicating codes in the product ID varies depending on the model to be emulated. See Table 3.10-②.
5	VENDOR1-1	0000 0000 0000 1000 0900 0006 0302 0000
		"0000 00A0 9006 3200"
6	VENDOR1-2	0000 0000 0905 0000 0000 0000 0000 0000
		"0000 9500 0000 0000"
7	VENDOR1-3	0000 0000 0000
		"00 00 00"
8	VENDOR2-1	0000 0000 0000 1000 0900 0006 0107 0000
		"0000 00A0 9006 1700"
9	VENDOR2-2	0001 0500 0800 0000 0000 0000 0000 0000
		"0150 8000 0000 0000"
10	VENDOR2-3	0000 0000 0000
		"00 00 00"

Table 3.10-② Product ID Input Parameter and Display Codes

#	Items	Emulation Model	Parameter to input
			Displayed code
4	PRODUCT ID	240 Emulation	0309 0303 0303 0307 0302 0304 0301 0200
			"9337241 "
		480 Emulation	0309 0303 0303 0307 0304 0308 0401 0200
			"933748A "
		580 Emulation	0309 0303 0303 0307 0304 0308 0401 0200
			"933748A "

3.3.11 Setting of the Condition of issuing SAVE POINTER MESSAGES

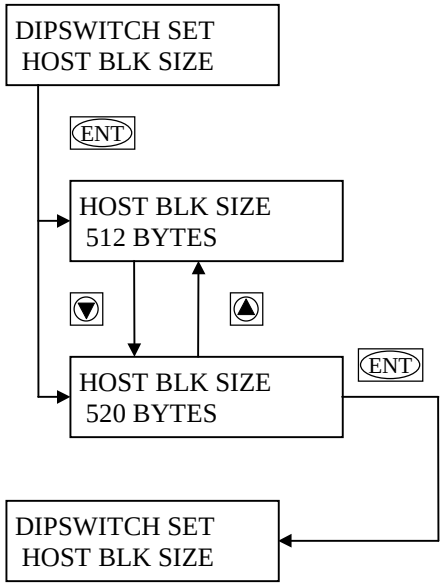


Set this →

No.	Parameters	Description
1	NOTHING	DF300 does not send SAVE DATA POINTER message.
2	**AFTER DATA & CMD**	**DF300 sends SAVE DATA POINTER message after DATA phase and COMMAND phase.**
3	ONLY AFTER DATA	DF300 sends SAVE DATA POINTER message after DATA phase.
4	ONLY AFTER CMD	DF300 sends SAVE DATA POINTER message after COMMAND phase.

3.3.12 Setting of HOST BLOCK SIZE

Panel display



Operation

① Press ▼ key until the display on the left column appears.

② Press ENT key.

③ Select “520 BYTES” by pressing the ▼ or ▲ key.

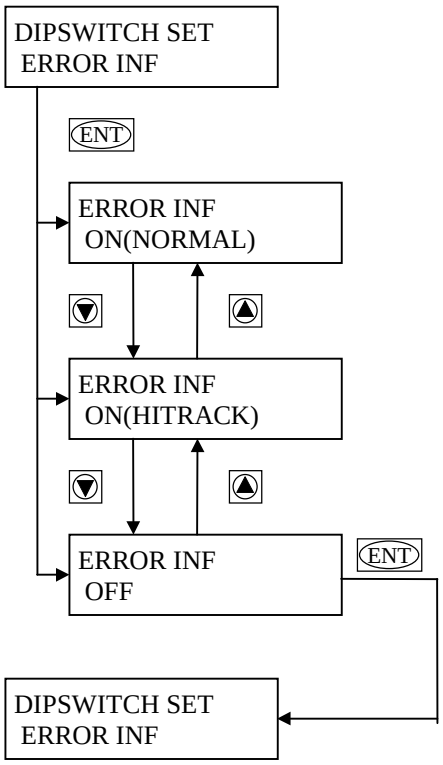
④ Press ENT key.

Here, setting of HOST BLOCK SIZE is completed.

	No.	Parameters	Description
	1	512BYTES	Host block size is 512 byte/block.
Set this →	**2**	**520BYTES**	**Host block size is 520 byte/block.**

3.3.13 Setting of RS232C Error Reports MODE

Panel display



Operation

① Press ▼ key until the display on the left column appears.

② Press ENT key.

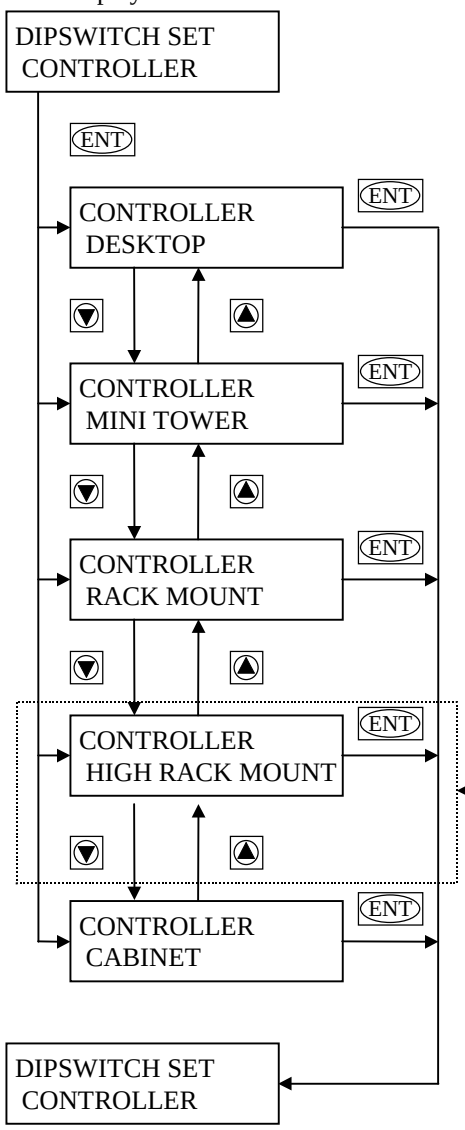
③ Select “OFF” by pressing the ▼ or ▲ key.

④ Press ENT key.

Here, setting of RS232C ERROR Report Mode is completed.

	No.	Parameters	Description
	1	ON(NORMAL)	Error information is reported.
	2	ON(HITRACK)	Error information and information for HITRACK are reported.
Set this →	**3**	**OFF**	**Reporting information is inhibited.**

3.3.14 Setting of Type of Controller



Operation

① Press ▼ key until the display on the left column appears.

② Press ENT key.

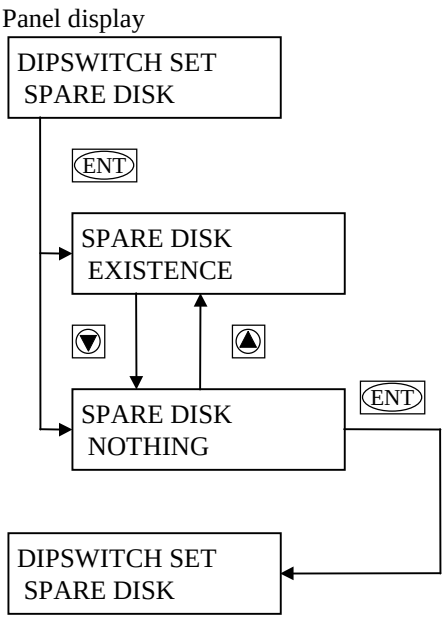
③ Select your DF300s controller type by pressing the ▼ or ▲ key.

④ Press ENT key.

Note: This item are not displayed in some revisions. If not displayed proceed to the next.

Here, setting of CONTROLLER Type is completed.

3.3.15 Setting of State of Spare Disks



Operation

① Press ▼ key until the display on the left column appears.

② Press ENT key.

③ Select “NOTHING” by pressing the ▼ or ▲ key.

④ Press ENT key.

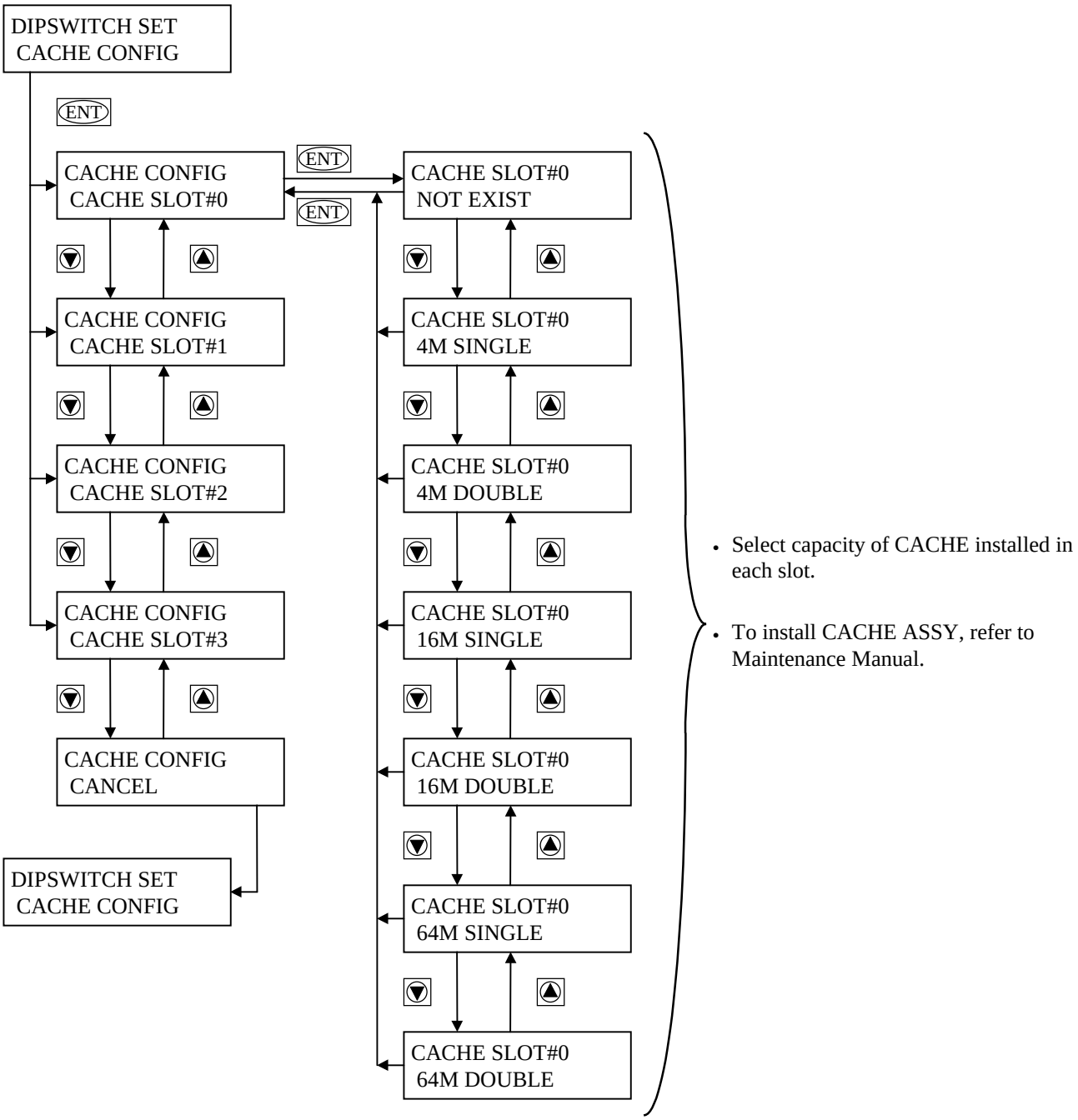
Here, setting of SPARE DISK is completed.

Set depending on spare disk existence

No.	Parameters	Description
1	EXISTENCE	Setting a state that a spare disk is installed.
2	NOTHING	Setting a state that a spare disk is not installed.

3.3.16 Setting of State of CACHE Installation

Panel display



No.	Parameters	Description
1	NOT EXIST	Cache memory is not installed.
2	4M SINGLE	4 MB DRAM is installed at single side.
3	4M DOUBLE	4 MB DRAMs are installed at both sides.
4	16M SINGLE	16 MB DRAM is installed at single side.
5	16M DOUBLE	16 MB DRAMs are installed at both sides.
6	64M SINGLE	64 MB DRAM is installed at single side. (Not supported)
7	64M DOUBLE	64 MB DRAMs are installed at both sides. (Not supported)

3.3.17 Setting of SERIAL NO

(1) Setting of Serial Number and Cause of Change

Serial number of devices connected to an AS/400 system should be different from each other. (If DF300, 9337 or 9337 compatible systems have been already connected to AS/400, the number of DF300 to be newly connected should be different from the numbers of those devices.) **When a DF300 is newly installed for an AS/400, a default number is given first, and, if required the number is to be changed.** Setting method in a fresh installation is shown in (2), changing method, in (3).

(2) Setting up method for a fresh Installation

Operate followings when the system is assembled.

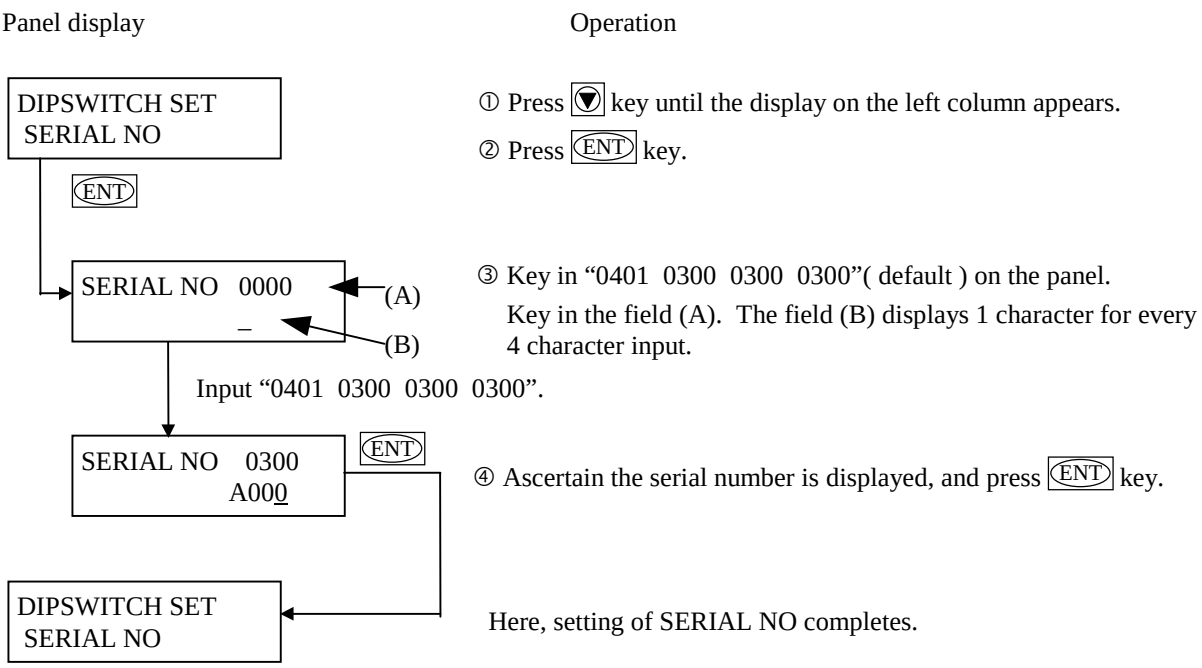


Figure 3.17.1 Setting in a Fresh Install of AS/400 Connection Function

(3) Serial Number Changing Method

If a device with the same number as DF300 to be newly installed has been connected, set the other number by operating as followings.

① Determine “SERIAL NO” according to “Appendix A”.
② Convert “Input Number” from “SERIAL NO” by referring to Table 3.17.1 .
(Example: If production number is “A000”, input “0401 0300 0300 0300”.)
③ Operate as shown in Figure 3.17.2.

Table 3.17.1 Production Number-Input Number Converted Table

SERIAL NO	Input Number	SERIAL NO	Input Number	SERIAL NO	Input Number	SERIAL NO	Input Number
“0”	“0300”	“4”	“0304”	“8”	“0308”	“C”	“0403”
“1”	“0301”	“5”	“0305”	“9”	“0309”	“D”	“0404”
“2”	“0302”	“6”	“0306”	“A”	“0401”	“E”	“0405”
“3”	“0303”	“7”	“0307”	“B”	“0402”	“F”	“0406”

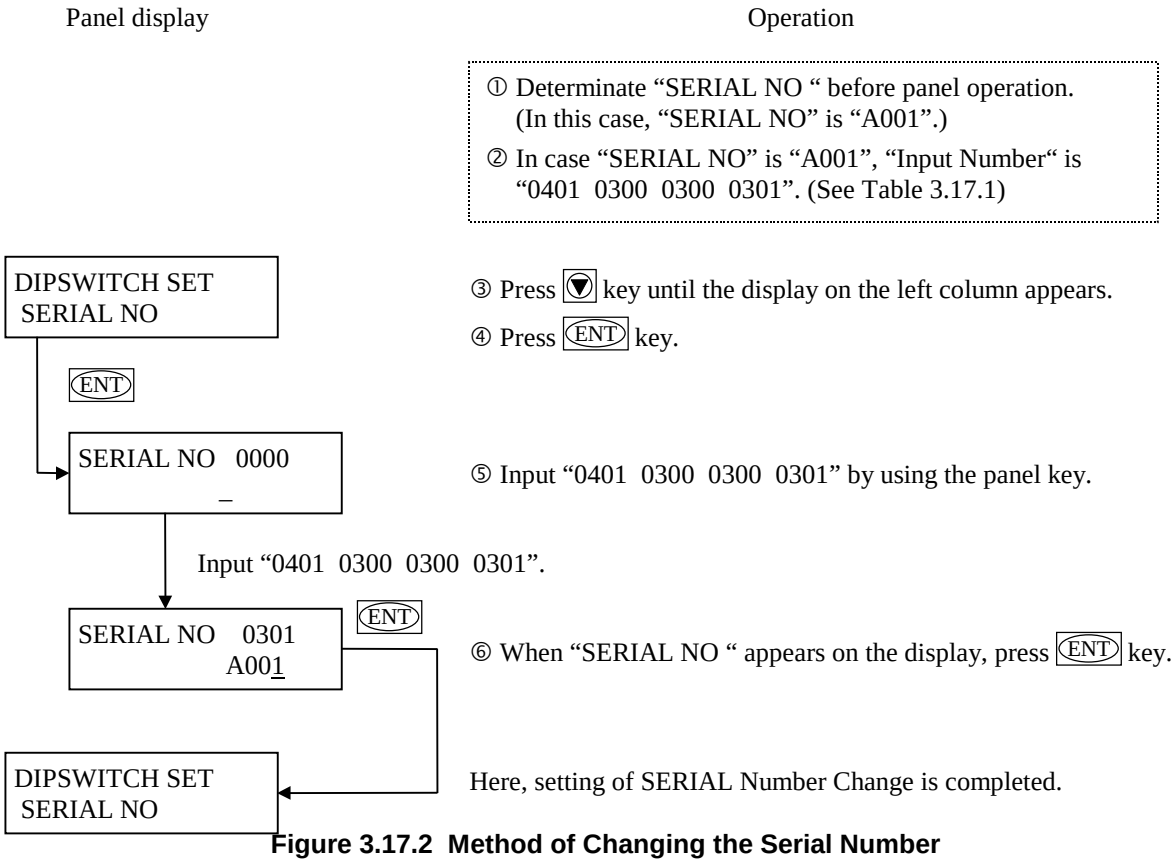
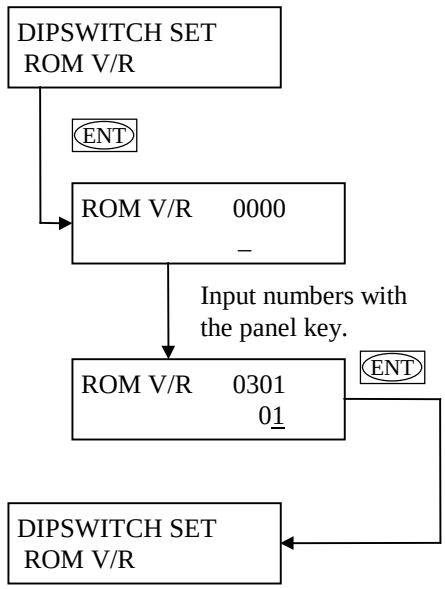


Figure 3.17.2 Method of Changing the Serial Number

3.3.18 Setting of ROM Micro V/R



Operation

① Press ▼ key until the display on the left column appears.

② Press ENT key.

③ Input the code number according to Table 3.18 with the panel key.

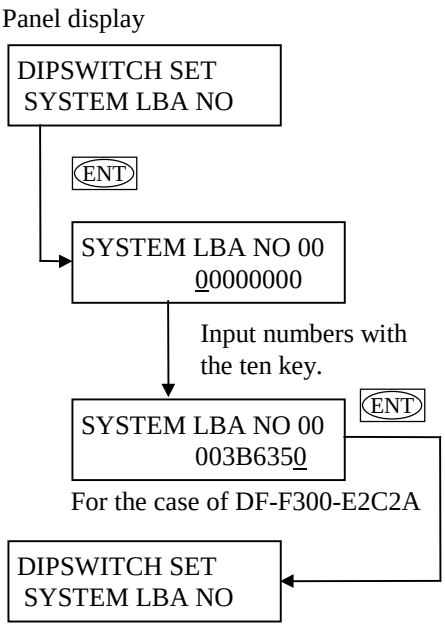
④ Check displayed code and press ENT key.

Here, setting of ROM V/R is completed.

Table 3.18 Input Number

No.	Input number	Displayed code
1	0300 0301	01

3.3.19 Setting of SYSTEM LBA



Operation

① Press ▼ key until the display on the left column appears.

② Press ENT key.

③ Input the code number according to Table 3.19 with the panel key.

④ Check displayed code and press ENT key.

Here, setting up SYSTEM LBA NO is completed.

Table 3.19 Input Code Number

No.	Type	Drive Capacity	SYSTEM LBA NO	Input number
				Displayed code
1	DF-F300-E2C2A	2 GB	$(003B6350)_{16}$	00 00 03 11 06 03 05 00
				003B6350
2	DF-F300-E2D4A	4 GB	$(007DC3FF)_{16}$	00 00 07 13 12 03 15 15
				007DC3FF

Note: Setting parameters for AS/400 differ from those for the OPEN system.

3.3.20 Setting of the LAST LBA for each ROW

•Caution

<u>Set the controller type</u> before setting of this item.

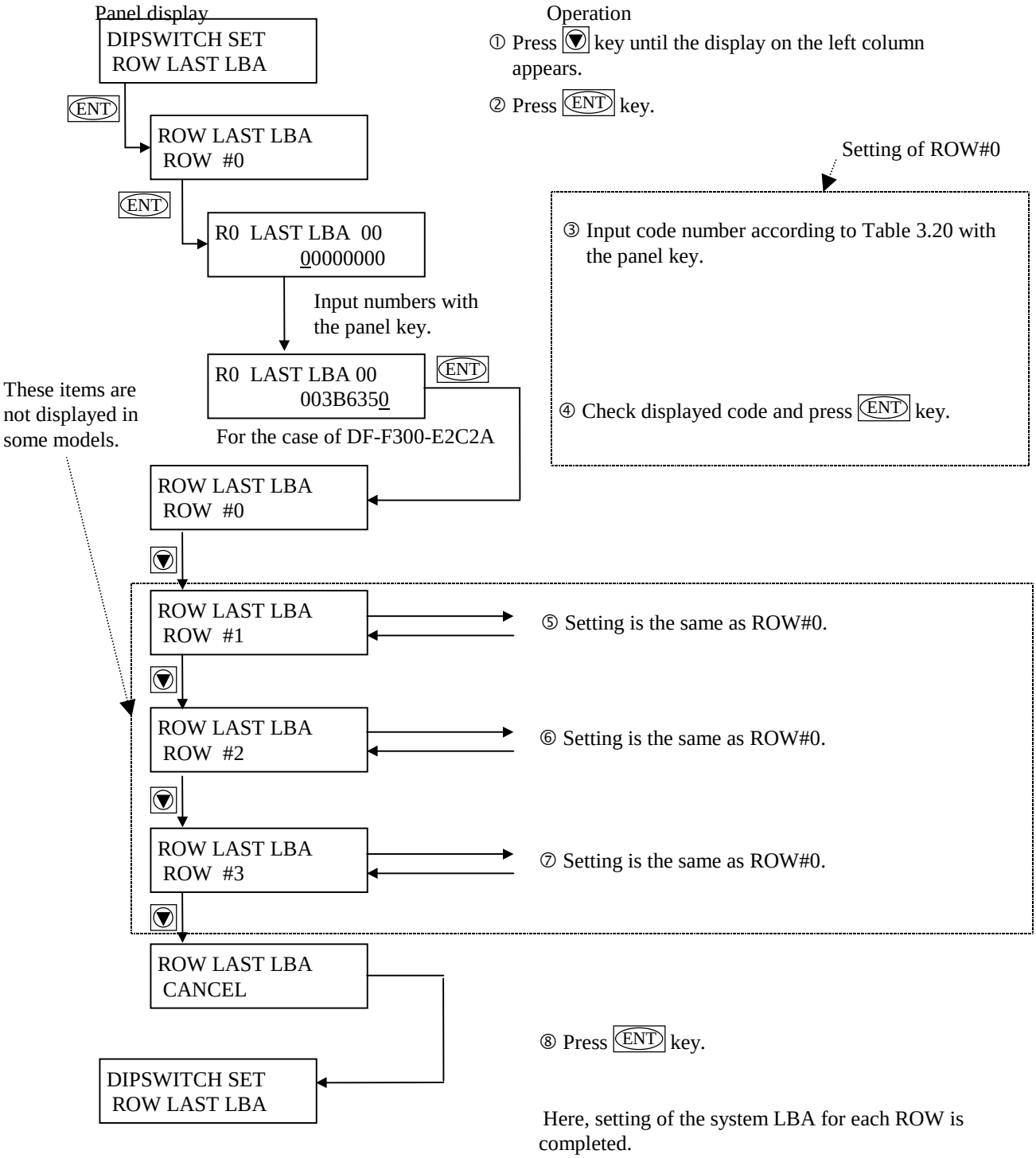


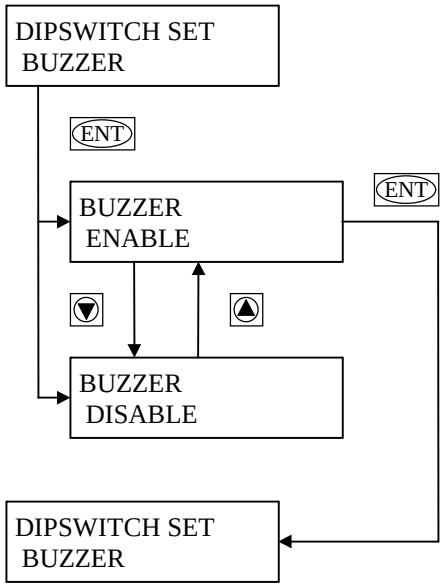
Table 3.20 Input Code

No.	Type	Drive Capacity	SYSTEM LBA NO	Input code number
				Displayed code
1	DF-F300-E2C2A	2 GB	$(003B6350)_{16}$	00 00 03 11 06 03 05 00
				003B6350
2	DF-F300-E2C4A	4 GB	$(007DC3FF)_{16}$	00 00 07 13 12 03 15 15
				007DC3FF

Note: Setting parameters for AS/400 differ from those for the OPEN system.

3.3.21 Setting of Buzzer of MODE

Panel display



Operation

① Press ▼ key until the display on the left column appears.

② Press ENT key.

③ Select “ENABLE” by pressing the ▼ or ▲ key.

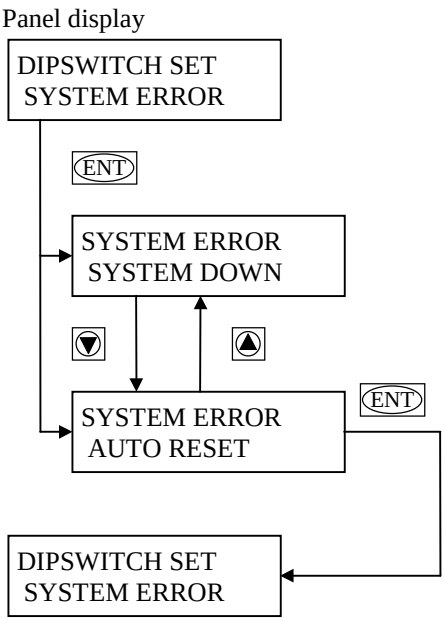
④ Press ENT key.

Here, setting of Buzzer Mode is completed.

Set this →

No.	Parameters	Description
1	**ENABLE**	**Enable to sound the buzzer.**
2	DISABLE	Disable to sound the buzzer.

3.3.22 Setting of System Error Recovery Mode



Operation

① Press ▼ key until the display on the left column appears.

② Press ENT key.

③ Select "AUTO RESET" by pressing the ▼ or ▲ key.

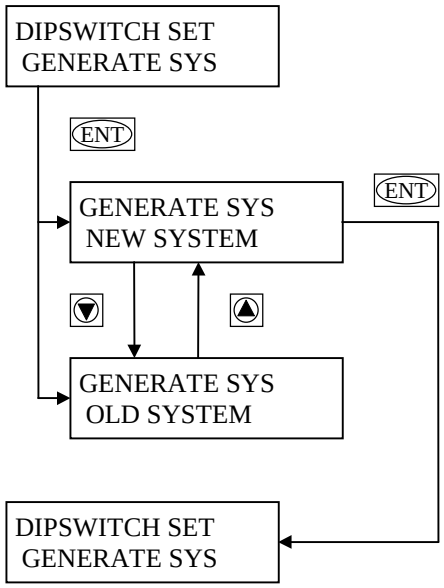
④ Press ENT key.

Here, setting of SYSTEM ERROR Repair is completed.

	No.	Parameters	Description
	1	SYSTEM DOWN	At a system failure, DF300 goes down.
Set this →	**2**	**AUTO RESET**	**At a system failure, DF300 is recovered by internal reset.**

3.3.23 Setting of Down Load Program

Panel display



Operation

① Press ▼ key until the display on the left column appears.

② Press ENT key.

③ Select “NEW SYSTEM” by pressing the ▼ or ▲ key.

④ Press ENT key.

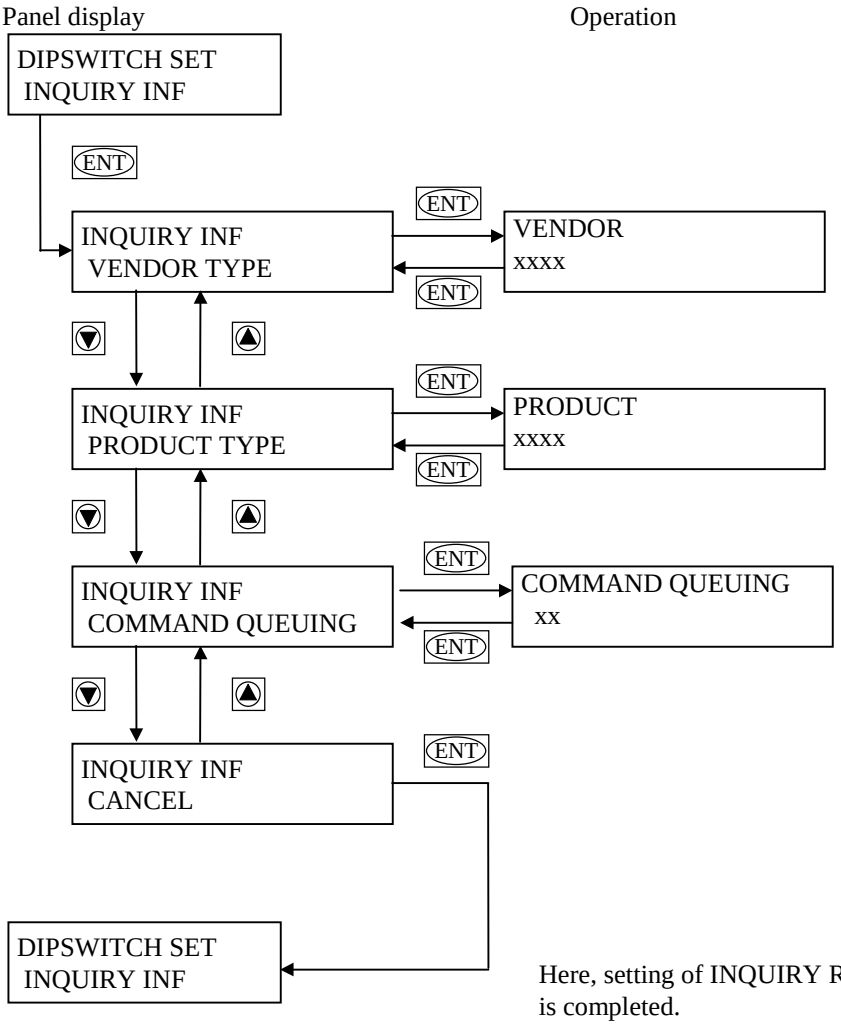
Here, setting of DOWNLOAD Program is completed.

	No.	Parameters	Description
Set this →	**1**	**NEW SYSTEM**	**IPL by newly downloaded micro-program.**
	2	OLD SYSTEM	IPL by former micro-program, not newly downloaded one.

3.3.24 Setting INQUIRY Response Information

This setting is for OPEN system only. (The setting is not needed for AS/400)

If wrongly switched to the setting mode, quit the operation referring to followings.

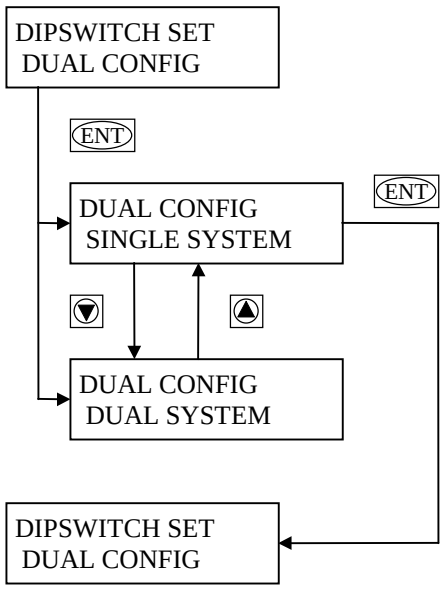


Here, setting of INQUIRY RESPONSE INFORMATION is completed.

No.	Parameters	Description
1	VENDOR TYPE	(Not used in AS/400 Connection Function)
2	PRODUCT TYPE	(Not used in AS/400 Connection Function)
3	COMMAND QUEUING	(Not used in AS/400 Connection Function)

3.3.25 Setting of Booting System Property

Panel display



Operation

① Press ▼ key until the display on the left column appears.

② Press ENT key.

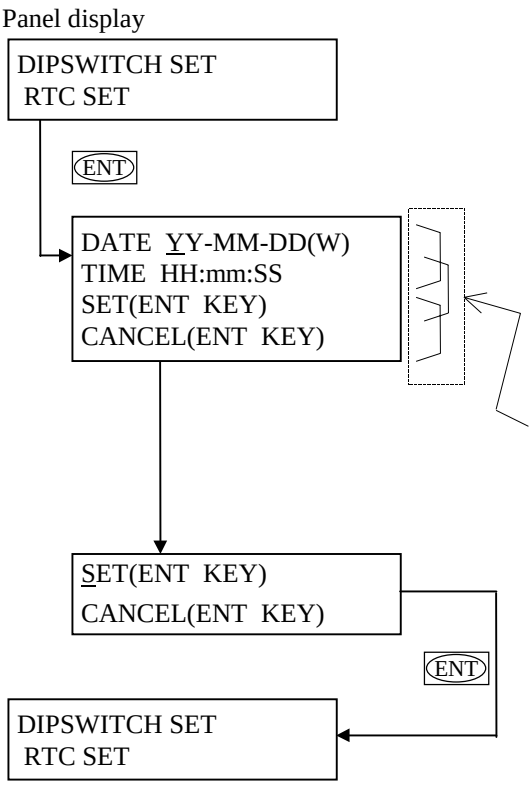
③ Select “SINGLE SYSTEM” by pressing the ▼ or ▲ key.

④ Press ENT key.

Here, setting of Booting System Property is completed.

	No.	Parameters	Description
Set this →	**1**	**SINGLE SYSTEM**	**Booting-up with the system for a single controller.**
	2	DUAL CONFIG	(Not supported. Don’t set this.)

3.3.26 Setting of Internal Clock



Operation

① Press ▼ key until the display on the left column appears.

② Press ENT key.

③ Select Item pressing ▲ ▼ ◀ ▶ keys. (Point the cursor at the item to be set .)

④ Input values to be set.

Items to be set consist of 4 lines. Two lines are displayed on the panel, so this is displayed with scroll.

⑤ Select "SET (ENT KEY)" after all of the setting is finished, and press ENT key. Setting completes, after the input values are fixed.

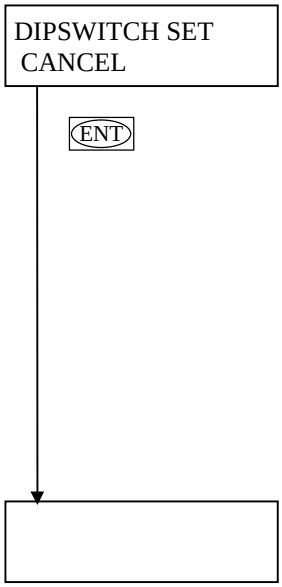
Here, setting of Internal Clock is completed.

No.	Parameters		Description
1	DATE	YY	Set the latter two digits of the year
2		MM	Set the month.
3		DD	Set the day
4		W	Set the day of the week
5	TIME	HH	Set hours
6		mm	Set minutes
7		SS	Set seconds
8	SET		After the input value is fixed, setting completes.
9	CANCEL		Setting quits, ignoring input values.

3.3.27 Quitting of EEPROM setting

Before this operation, make sure that all setting was completed. With this operation ,it quits EEPROM setting.

Panel display



Operation

① Press ▼ key until the display on the left column appears.

② Press ENT key.

(Panel was cleaned.)

Here, quitting of EEPROM setting is completed.

4. Setting Internal Drives

Setting operation of built in drive is not required. Skip this chapter and proceed to chapter 5.

Blank sheet

5. Installing the System Program of DF300

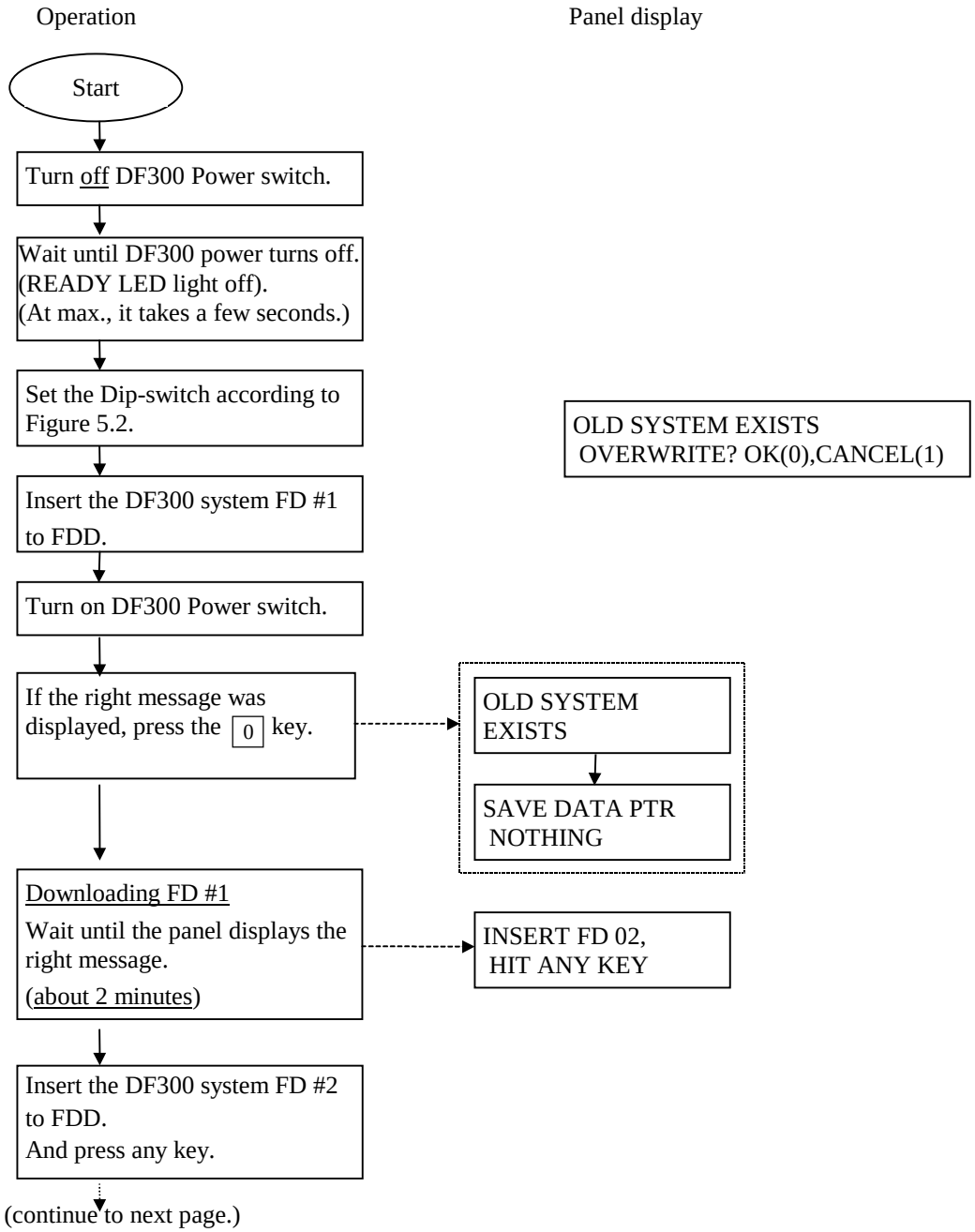
(1) Caution

• Install the system disk for AS/400 support function.

The system disk of AS/400 support is different to those of open systems. Be sure to install the system disk for AS/400 support.

(2) Setting operation

Install the micro-program following the procedures described in Figure 5.1 .



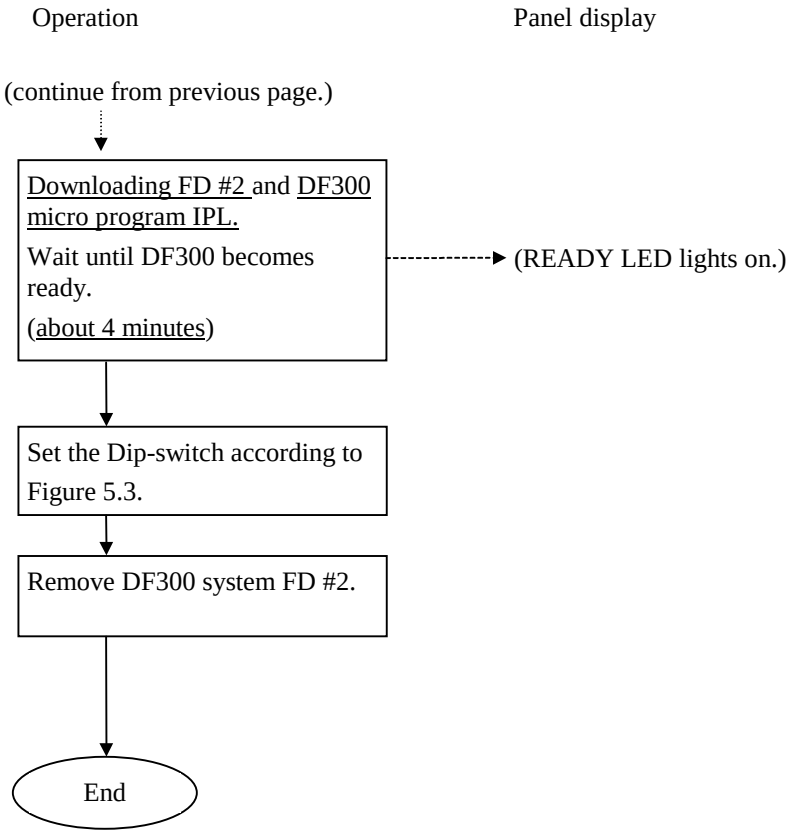


Figure 5.1 Procedure of Installing the System of DF300

Mini tower type

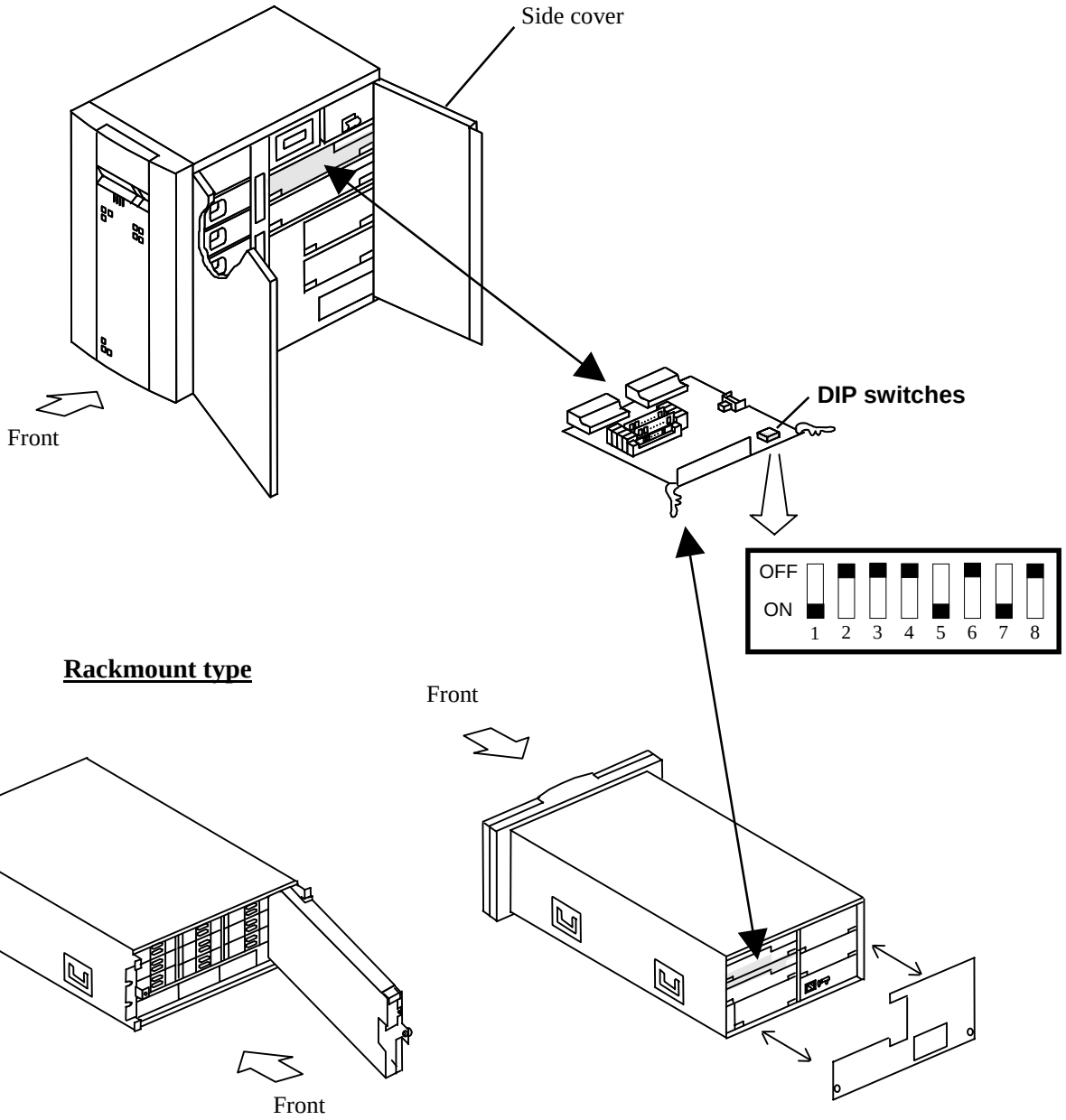


Figure 5.2 Setting of the DIP Switches (1)

Mini tower type

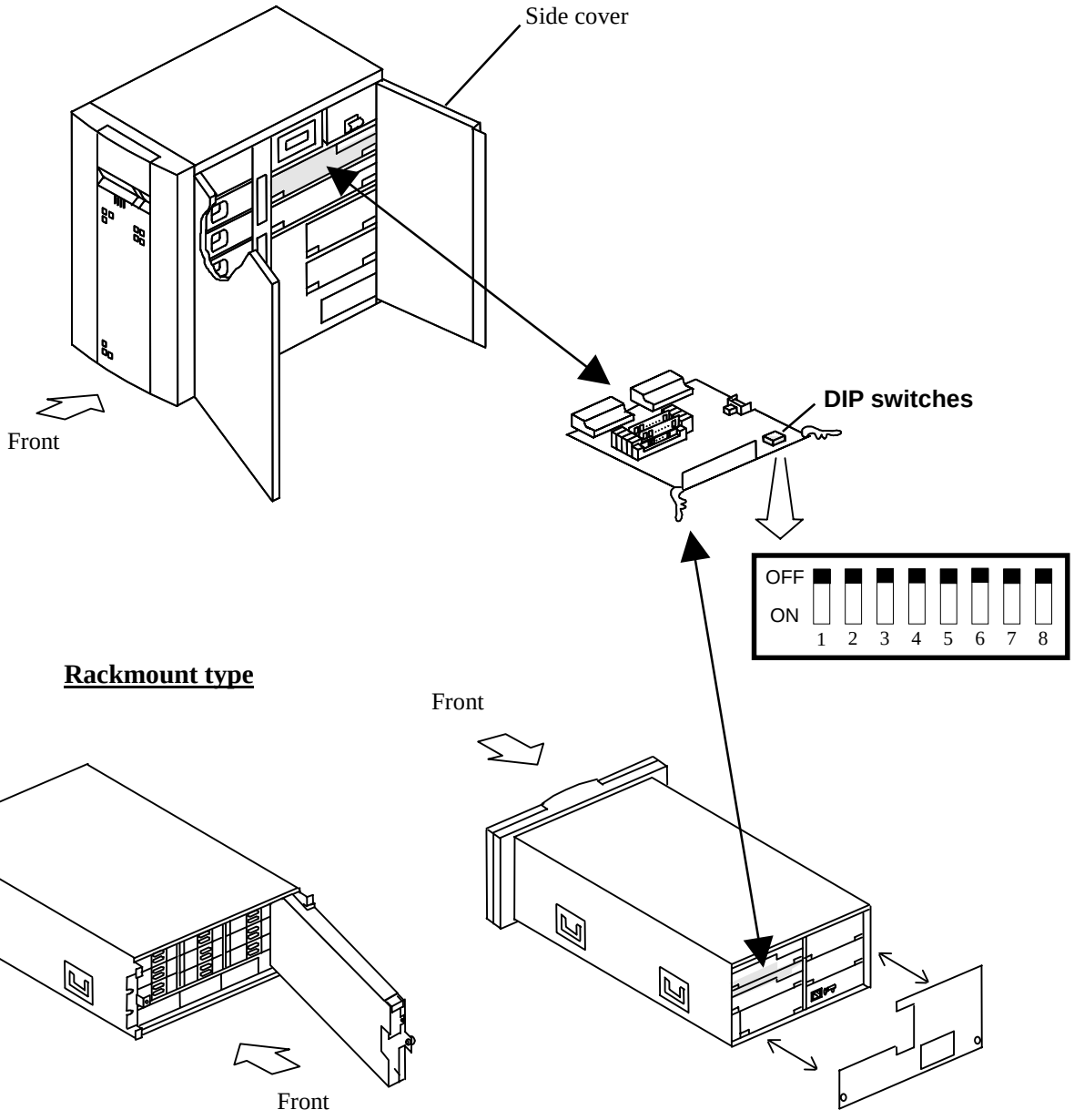


Figure 5.3 Setting of the DIP Switches (2)

6. Setting LOGICAL UNIT

6.1 Outline of setting LOGICAL UNIT

Setting varies depending on controller type. Operations to be applied are shown in below.

- For Mini tower type setting, see Section 6.2.
- For Rackmount type setting, see Section 6.3.

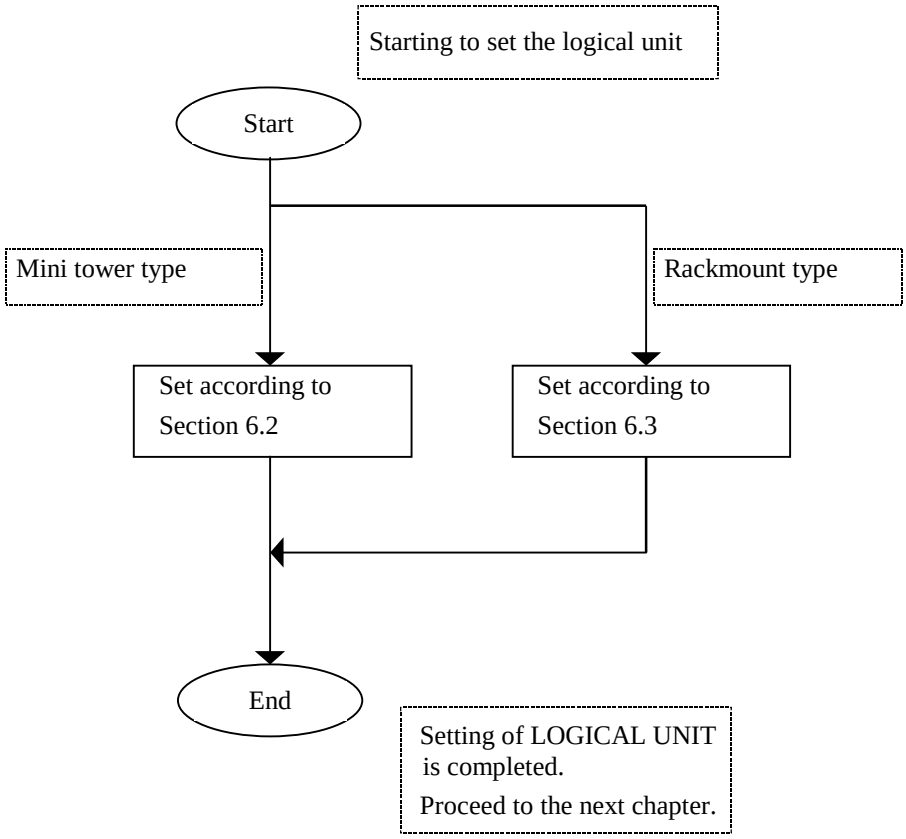


Figure 6.1.1 Setting Logical Unit

6.2 Setting for Mini-tower Type

6.2.1 Sequence of Setting Operation

Figure 6.2.1 shows sequence of setting LOGICAL UNITs for Minitower type. Operate subsystem according to Item 6.2.2-(1) to (7).

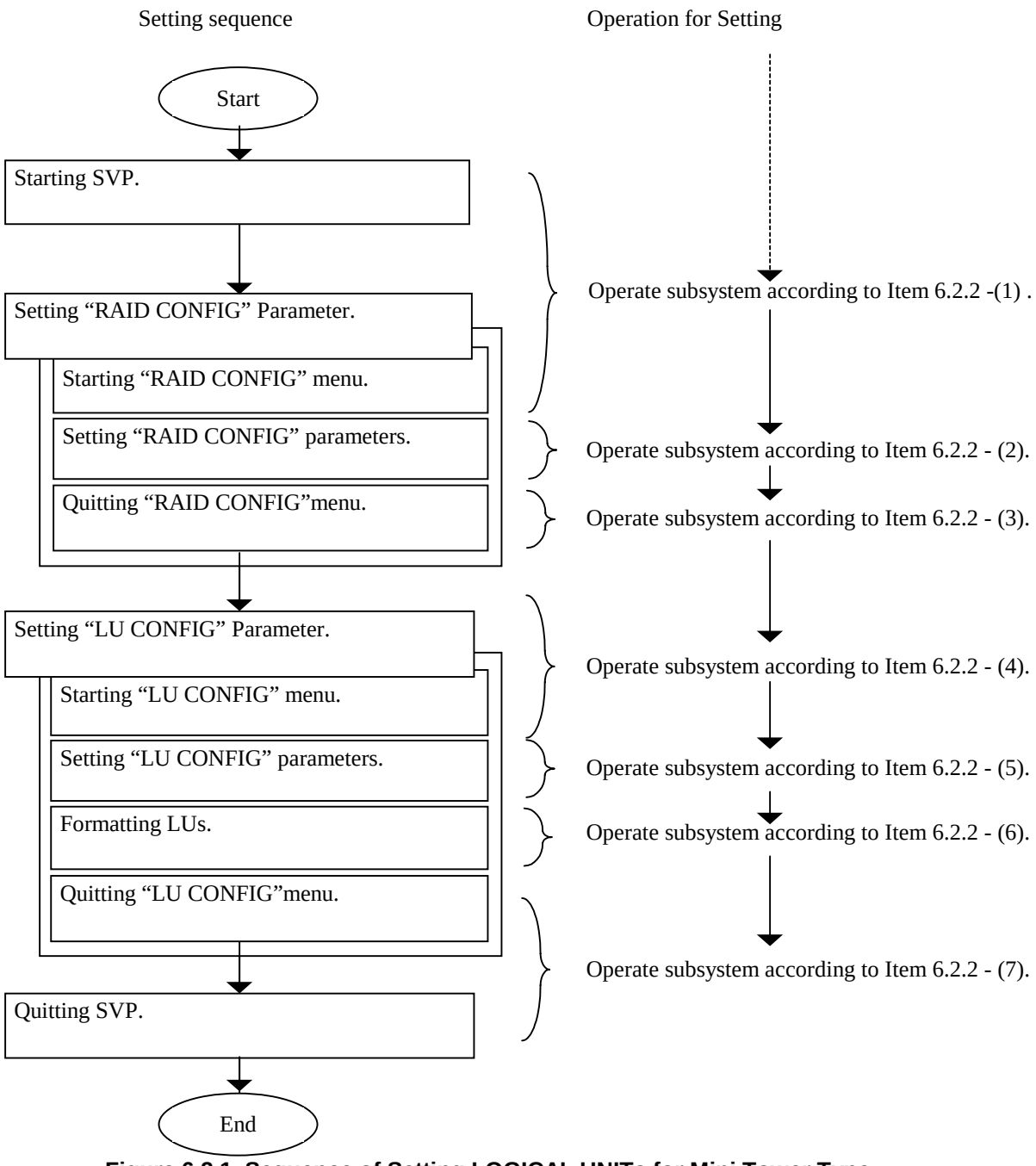
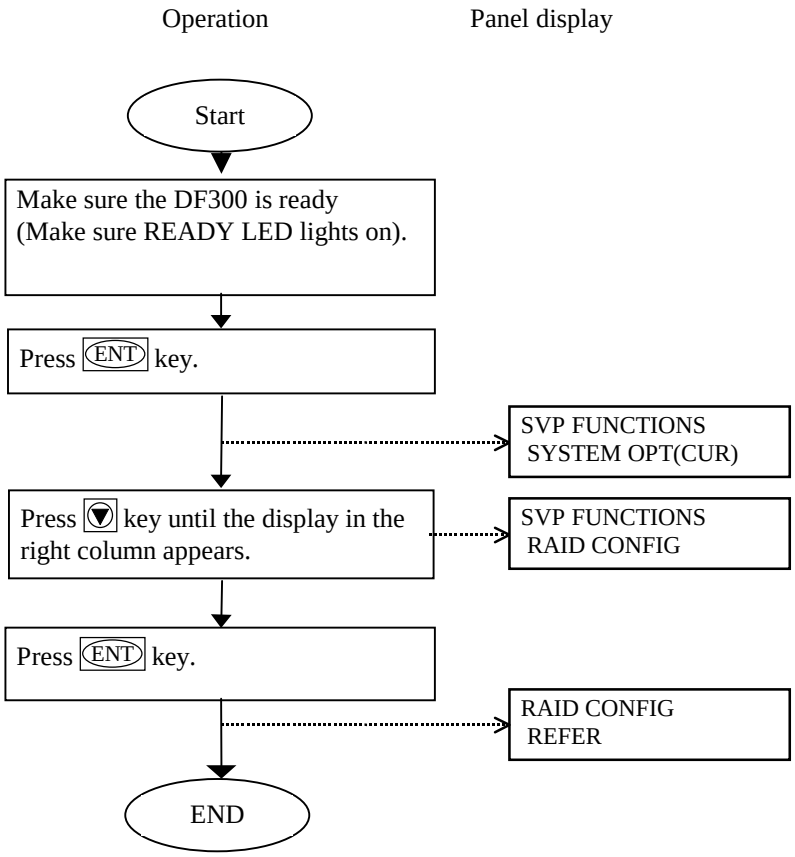


Figure 6.2.1 Sequence of Setting LOGICAL UNITs for Mini Tower Type

6.2.2 Setting operation

(1) Starting up SVP and RAID CONFIG menu

Start up the SVP and select RAID CONFIG by operating subsystem according to Figure 6.2.2.



Continues to (2)

Figure 6.2.2 Starting up the SVP and Select RAID CONFIG Menu

(2) Instituting RAID CONFIG

Institute RAID CONFIG by operating subsystem according to Figure 6.2.3.

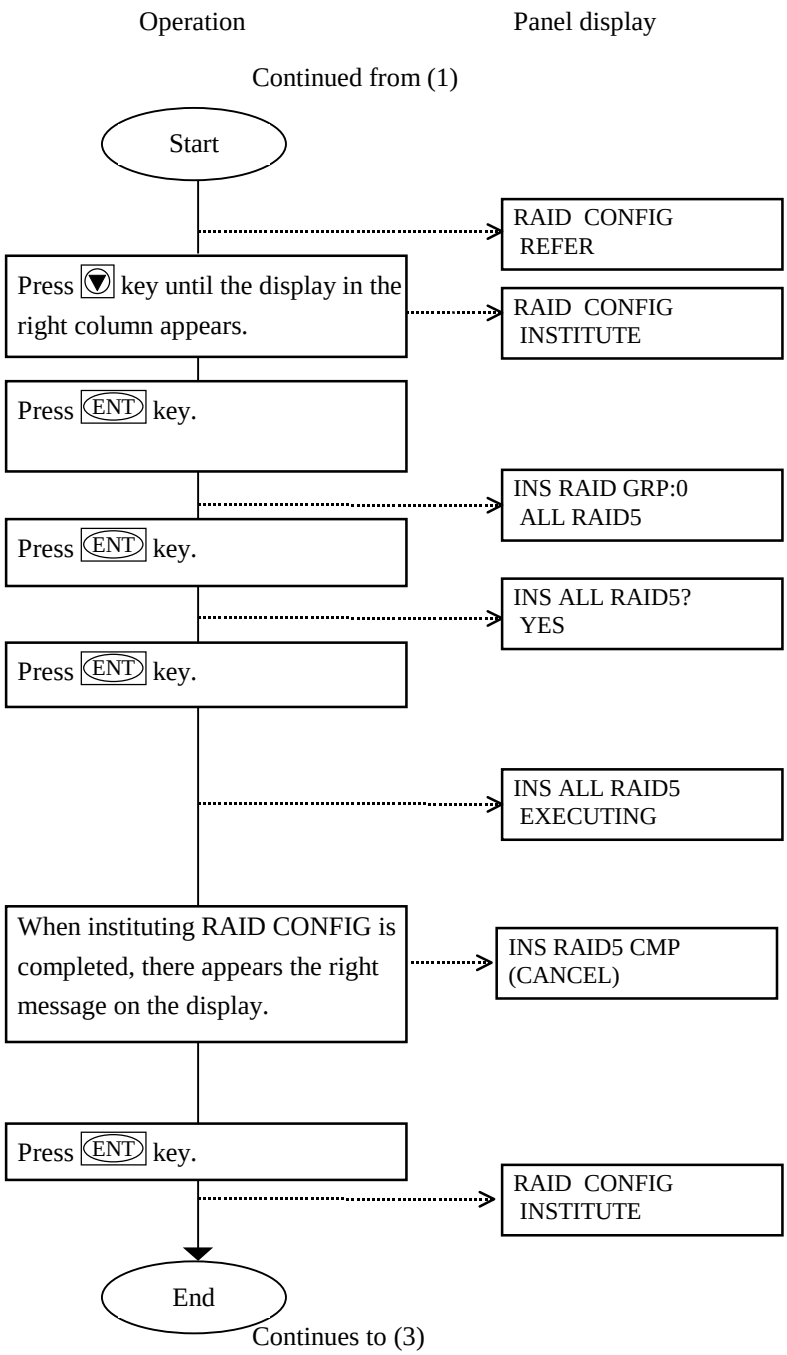


Figure 6.2.3 Operation of Institute RAID CONFIG

(3) Quitting RAID CONFIG menu

Quit RAID CONFIG menu by operating subsystem according to Figure 6.2.4.

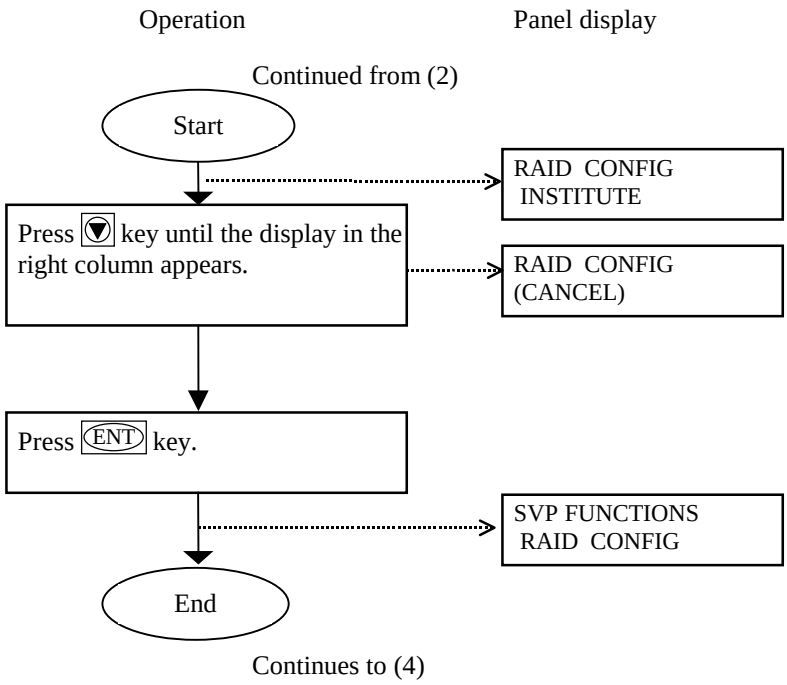


Figure 6.2.4 Quitting of Quit RAID CONFIG Menu

(4) Starting up LU CONFIG menu

Start up LU CONFIG menu by operating subsystem according to Figure 6.2.5.

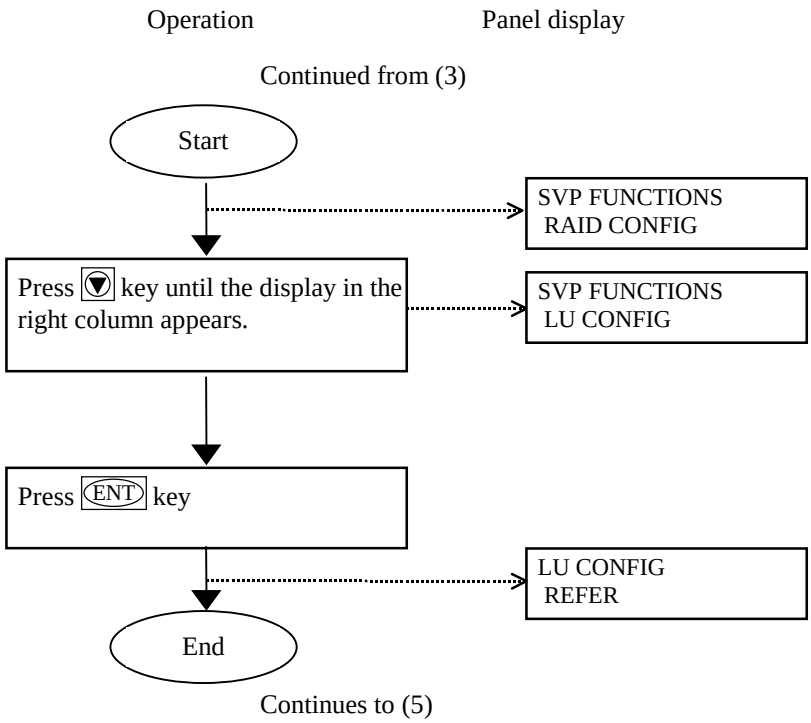


Figure 6.2.5 Starting up LU CONFIG Menu

(5) Instituting LU CONFIG

① Sequence of operation

Figure 6.2.6-① shows sequence of instituting LU CONFIG operation.

Operate subsystem according to ②-④.

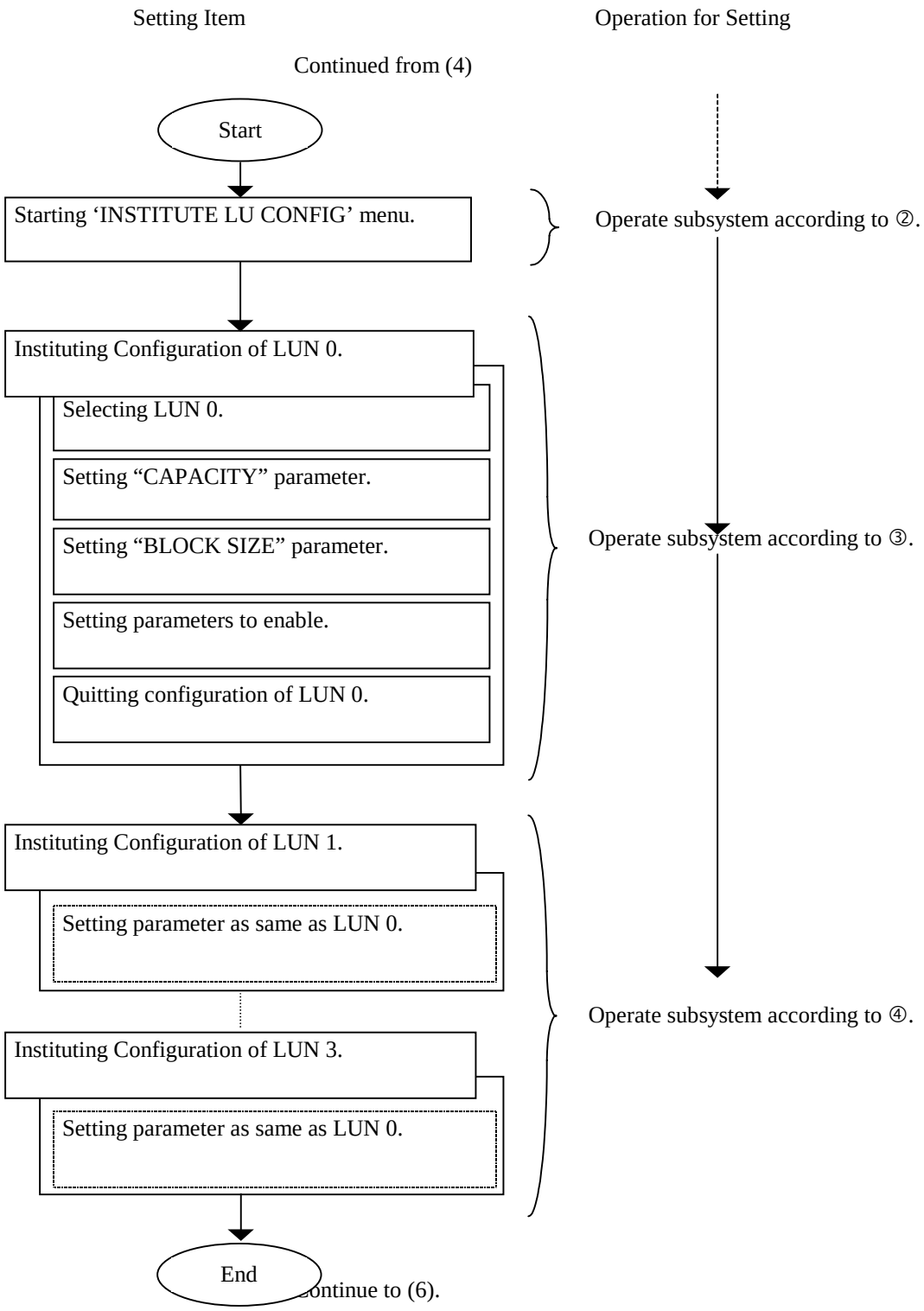


Figure 6.2.6-① Sequence of Setting LU CONFIG

② Starting INS LU CONFIG menu

Start up INS LU CONFIG menu by operating subsystem according to Figure 6.2.6-②.

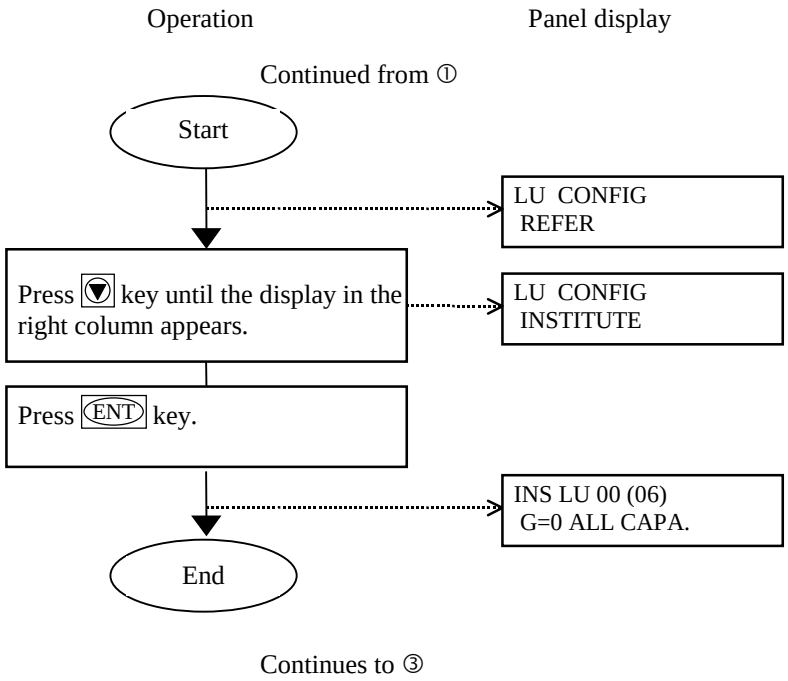


Figure 6.2.6-② Starting up INS LU CONFIG Menu

③ Instituting LU CONFIG at LUN 0

Institute LU CONFIG at LUN 0 by operating subsystem according to Figure 6.2.6-③.

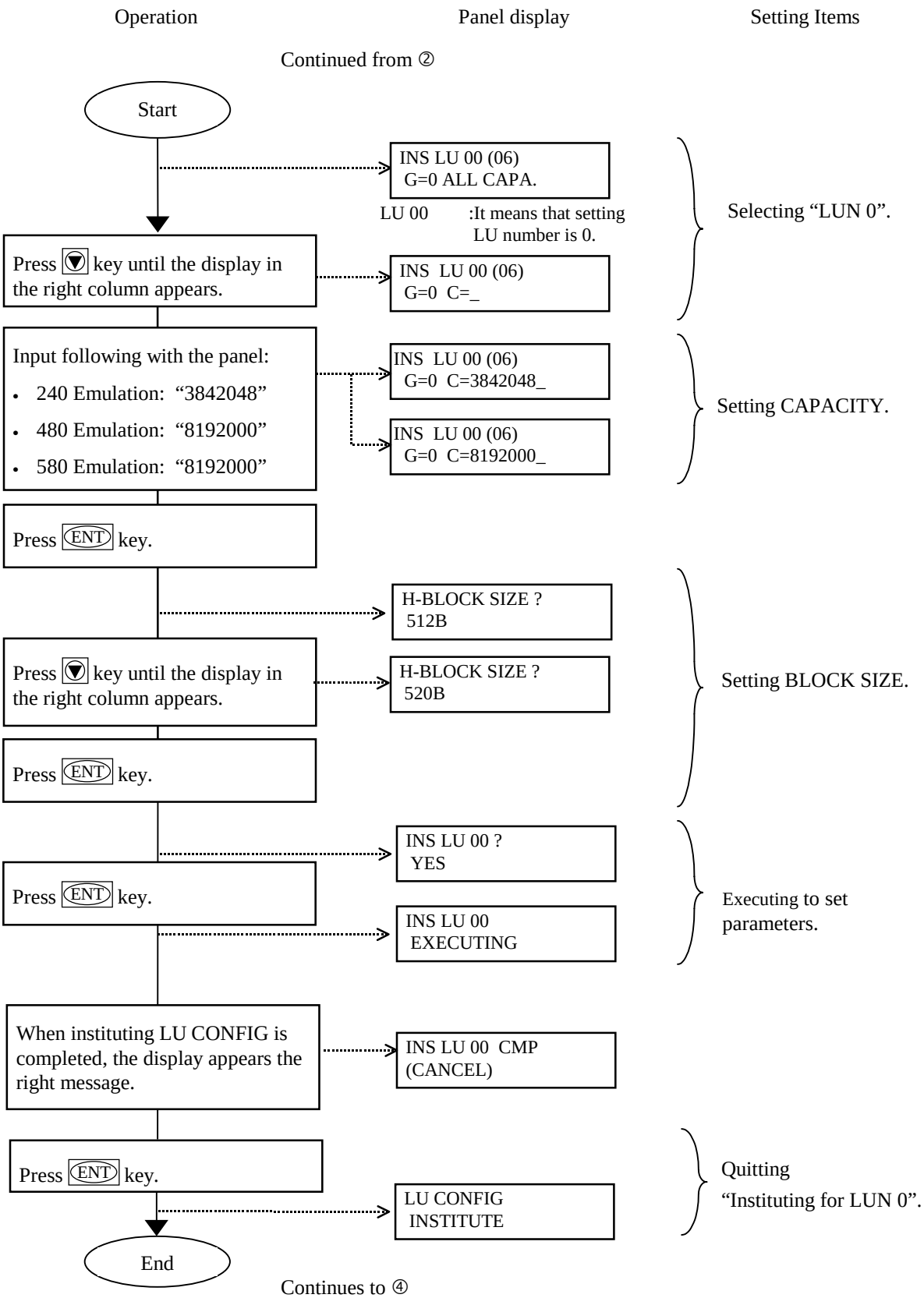


Figure 6.2.6-③ Instituting LU CONFIG for LUN 0

④ Instituting LU CONFIG for LUN 1, 2, 3

Institute LU CONFIG for LUN 1, 2, 3 after the institution of LUN 0 CONFIG.
Operation is shown below.

- Set LUN1 first, and set LUN 2, LUN 3 in order.
- Except (i) and (ii), instituting operation for LUN 1, 2, 3 is the same as LUN0 instituting operation. Operate subsystem according to LUN 0's operation.

(i) The difference in the selecting operation for LUN 1, 2, 3 is shown in Figure 6.2.6-④.

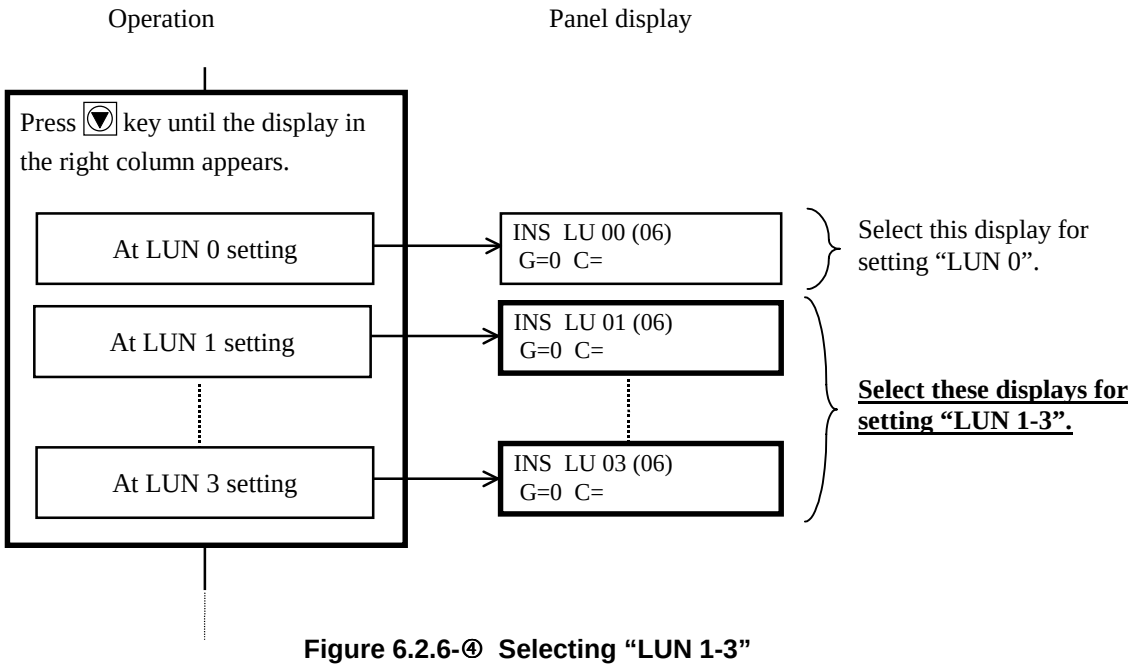


Figure 6.2.6-④ Selecting "LUN 1-3"

(ii) At all the displays, LU number which appear in the panel is different. At Lun 0 setting ,it appears "LU 00". At Lun 1-3 setting, it appears "LU xx". (xx is setting LU number.)

(6) LU Formatting operation

① Sequence of operation

Figure 6.2.7-① shows sequence of LU formatting operation. Operate subsystem according to ② through ④.

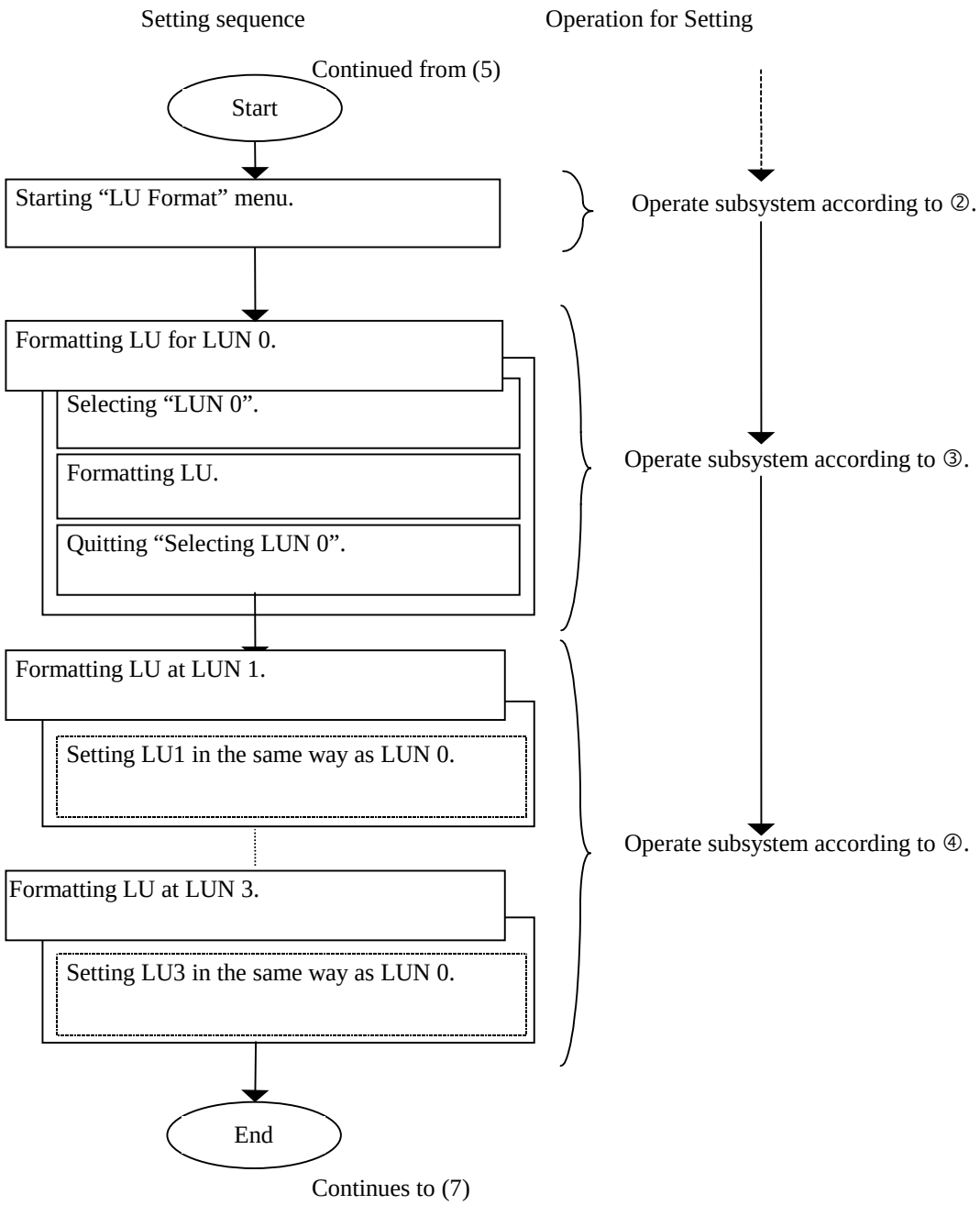


Figure 6.2.7-① Sequence of LU Formatting Operation

② Starting LU Format menu

Start LU format menu by operating subsystem according to Figure 6.2.7-②.

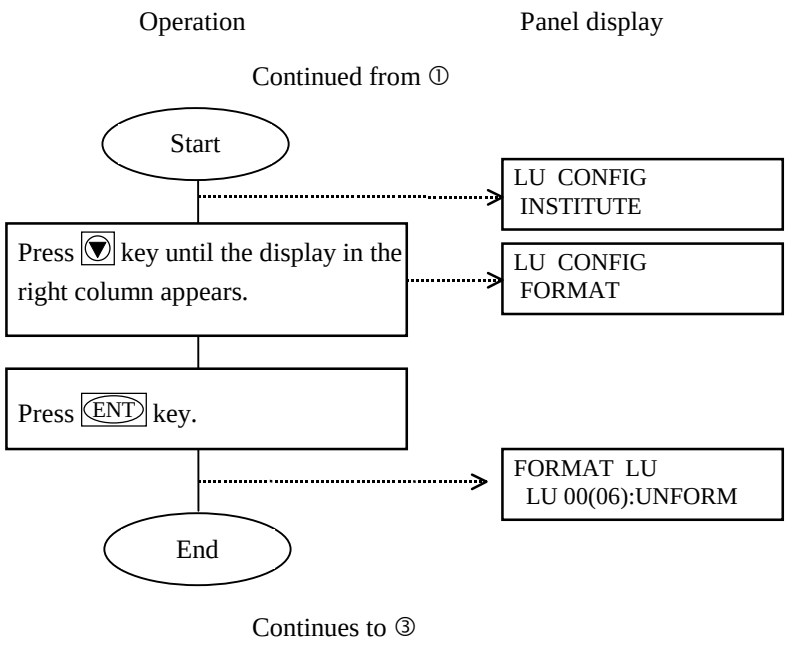


Figure 6.2.7-② Starting LU Format Menu

③ Formatting LU at LUN 0

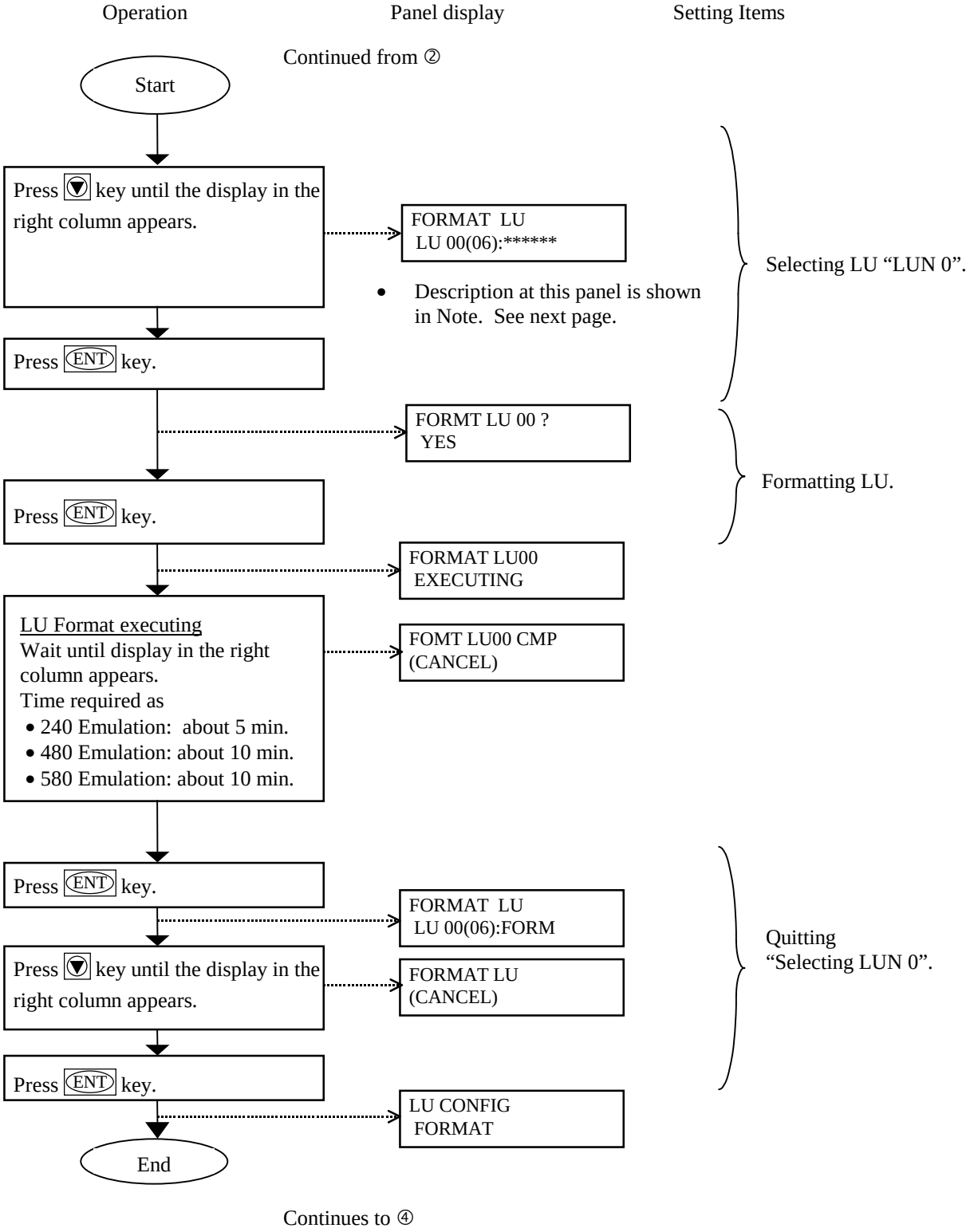


Figure 6.2.7-③ Formatting LU at LUN 0

Note: The meaning of the panel display is described in below.

```
FORMAT  LU
 LU 00(06):******
```

LU 00 : It means that LU number is 0.
****** : It means LU status.
FORM: Formatting was completed yet.
UNFORM: Formatting operation is needed.

④ Formatting LU for LUN 1-3

Format LU CONFIG for LUN 1, 2, 3 after formatting LUN 0 CONFIG.
Operation is shown below.

- Format LUN1 first, and format LUN 2, LUN 3 in order. (You can change the order)
- Except (i) and (ii), formatting operation at LUN 1,2,3 is the same as LUN 0 formatting operation. Operate subsystem according to LUN 0's operation.
- When formatting completed for all LUN, go to ⑤.

(i) The difference in the selecting operation for LUN 1, 2, 3 is shown in Figure 6.2.7-④. (Operations shown in bold frames are added)

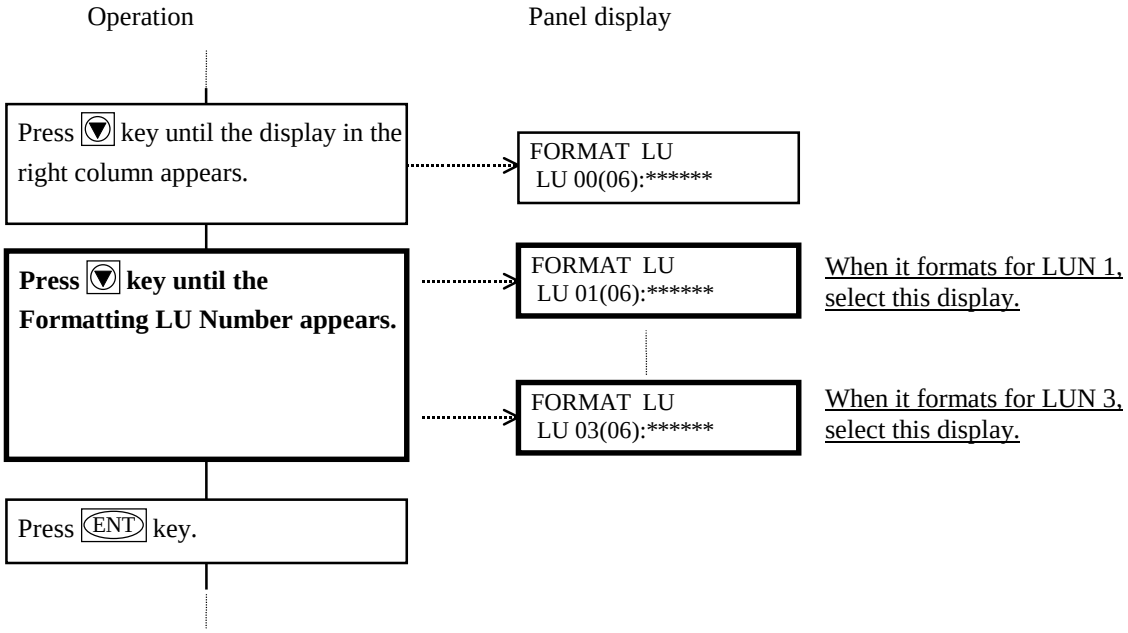


Figure 6.2.7-④ Selecting LUN 1-3 Operation

(ii) At all the display, LU number which appear in the panel is different. At Lun 0 setting ,it appears "LU 00". At Lun 1-3 setting, it appears "LU xx". (xx is setting LU number.)

(7) Quitting LU CONFIG and SVP

Operation of quitting LU CONFIG and SVP is shown in Figure 6.2.8.

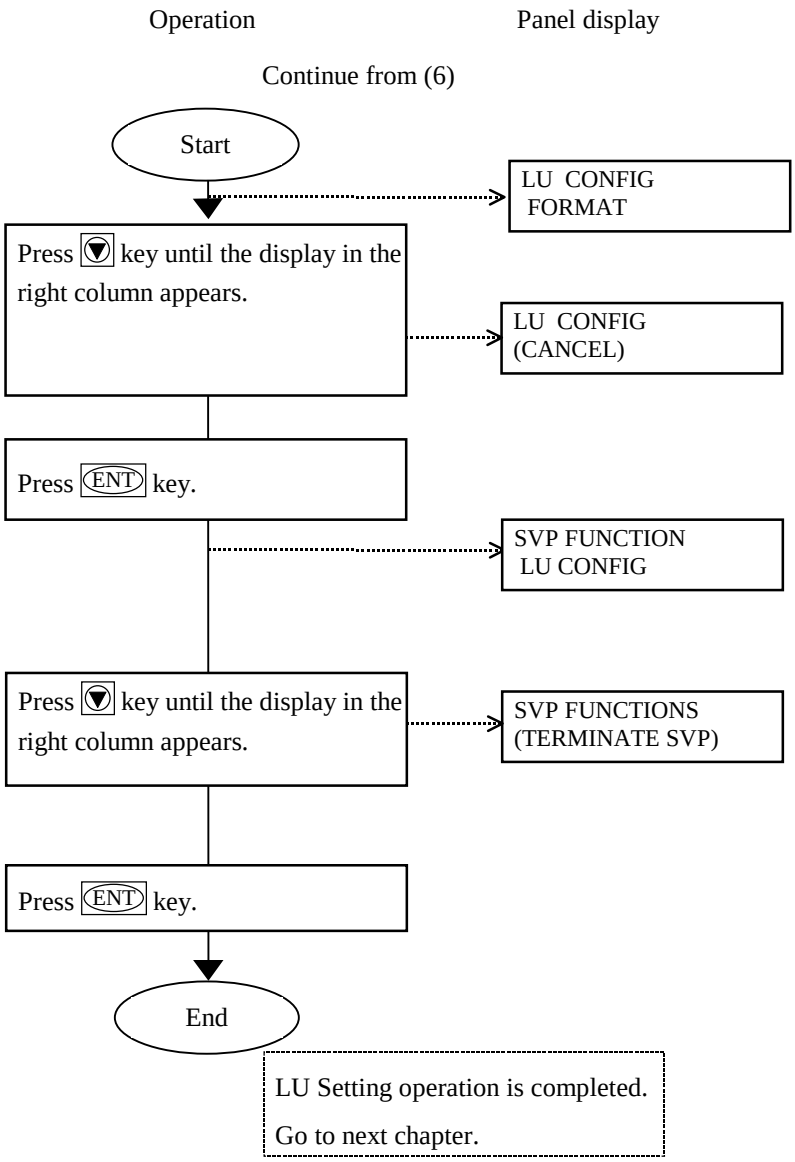


Figure 6.2.8 Procedure of Quitting LU CONFIG and SVP

6.3 LU Setting for Rack-mount Type

6.3.1 Sequence of setting operation

Figure 6.3.1 shows the sequence of setting LOGICAL UNITs for Rackmount type. Operate subsystem according to Section 6.3.2-(1) through (7).

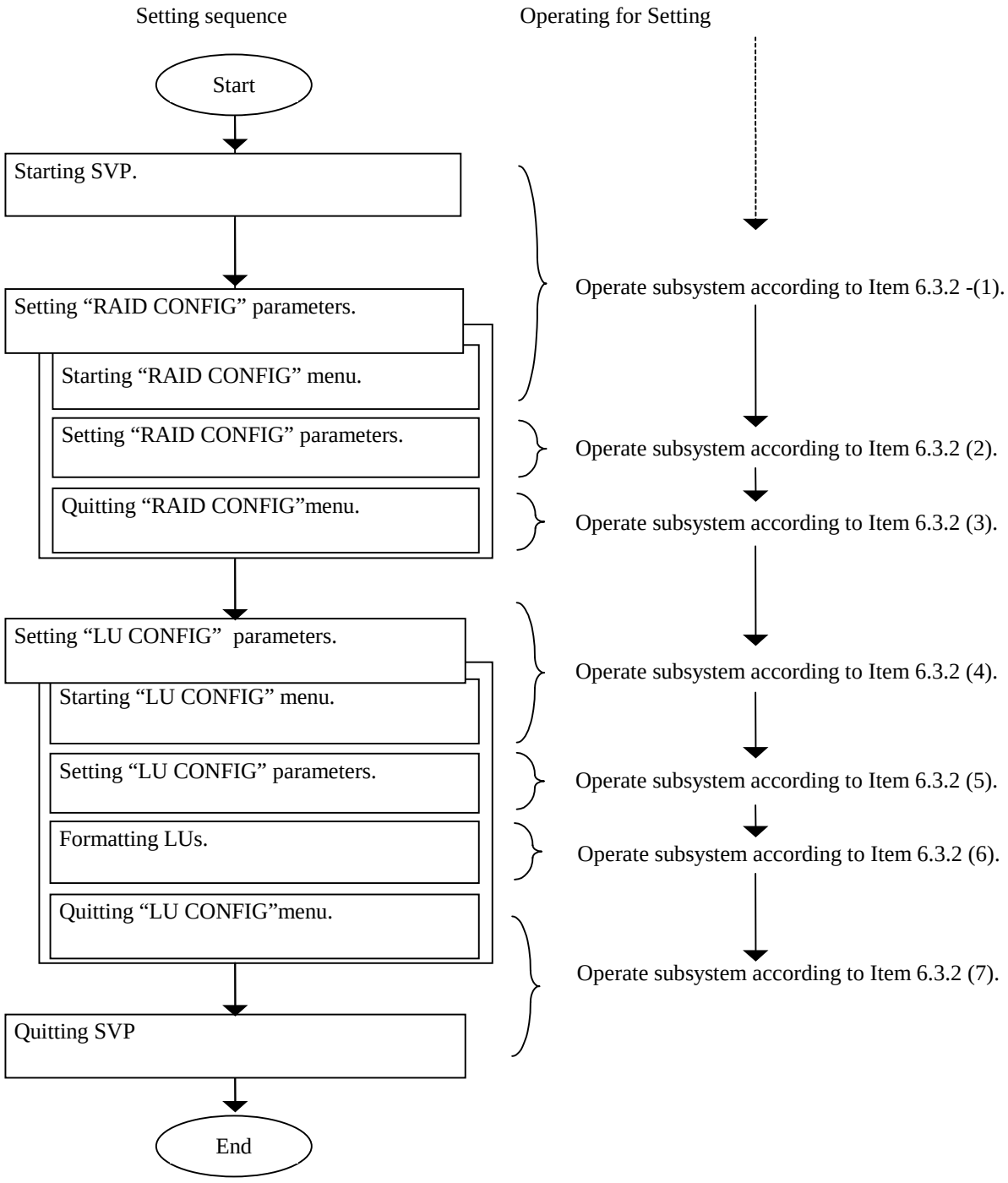


Figure 6.3.1 Sequence of Setting LOGICAL UNITs for Rackmount Type

6.3.2 Setting operation

(1) Starting up SVP and selecting RAID CONFIG menu

Start up the SVP and select RAID CONFIG by operating subsystem according to Figure 6.3.2.

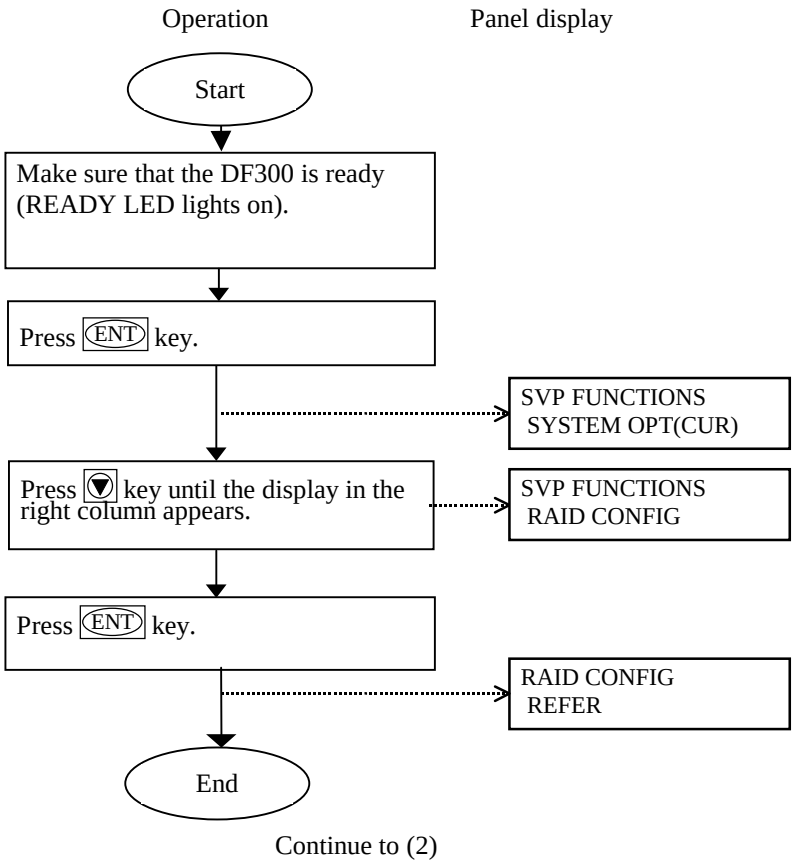


Figure 6.3.2 Starting up the SVP and Selecting RAID CONFIG

(2) Instituting RAID CONFIG

Institute RAID CONFIG by operating subsystem according to Figure 6.3.3.

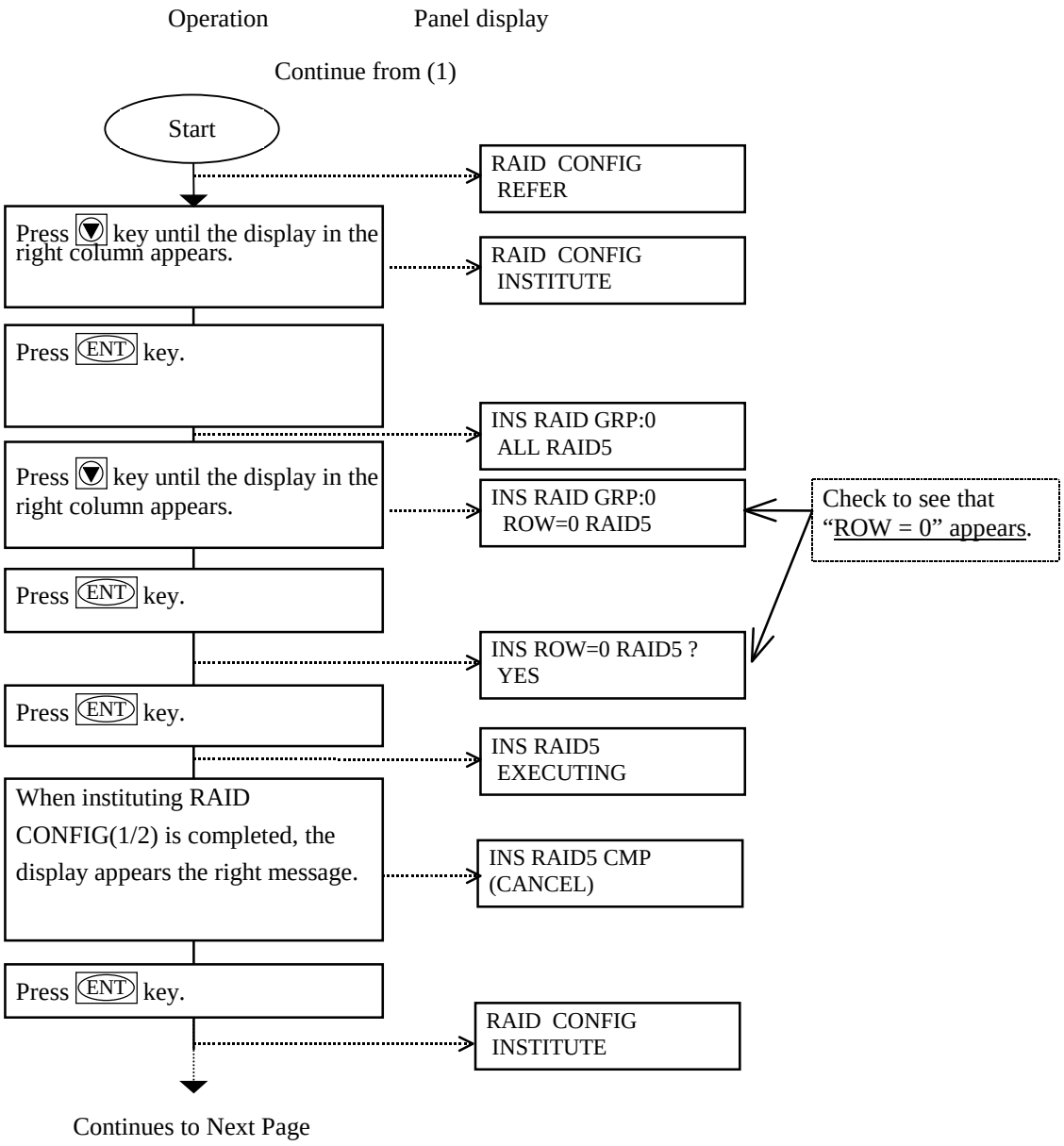


Figure 6.3.3 Operation of Institute RAID CONFIG (1/2)

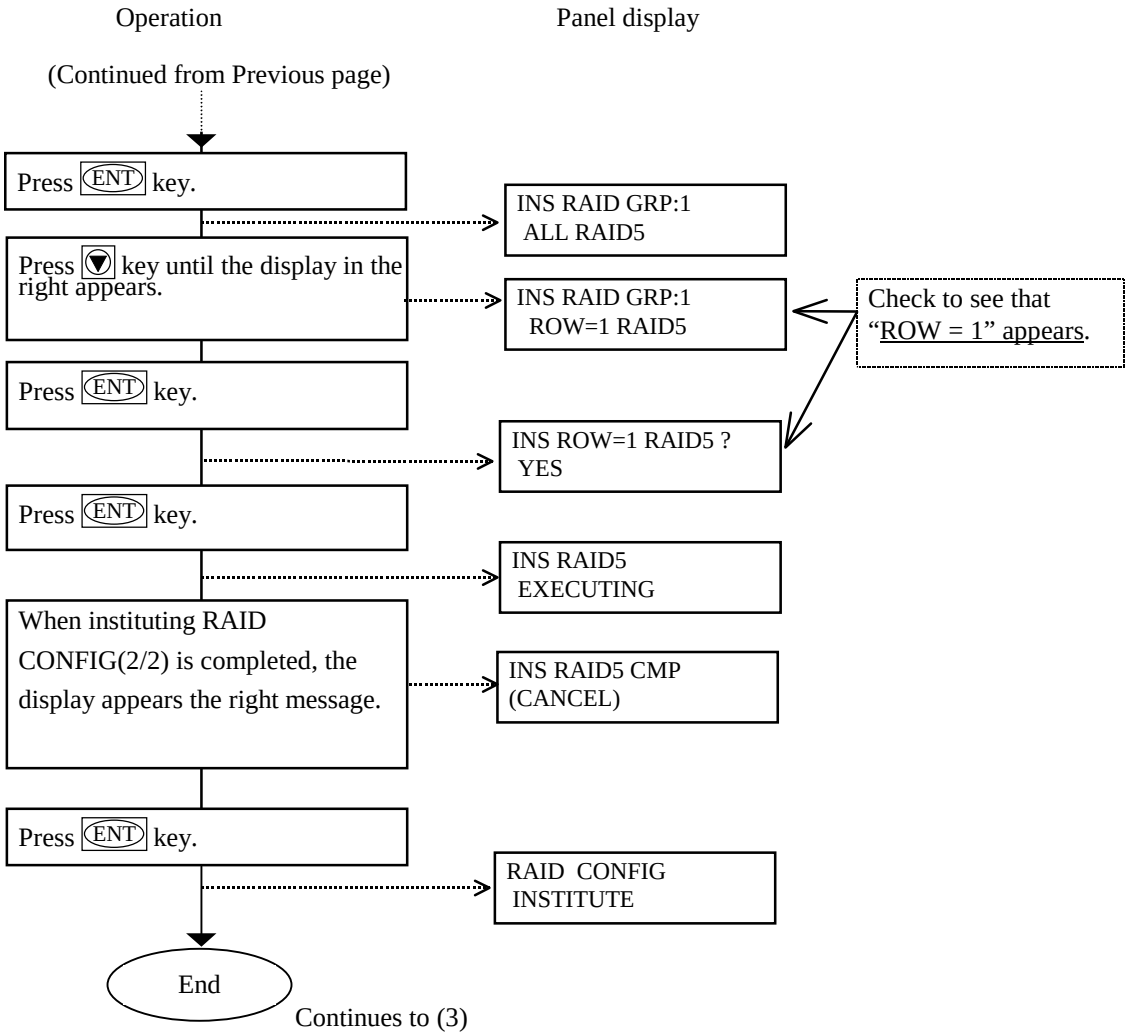


Figure 6.3.3 Operation of Institute RAID CONFIG (2/2)

(3) Quitting RAID CONFIG menu

Quit RAID CONFIG menu by operating subsystem according to Figure 6.3.4.

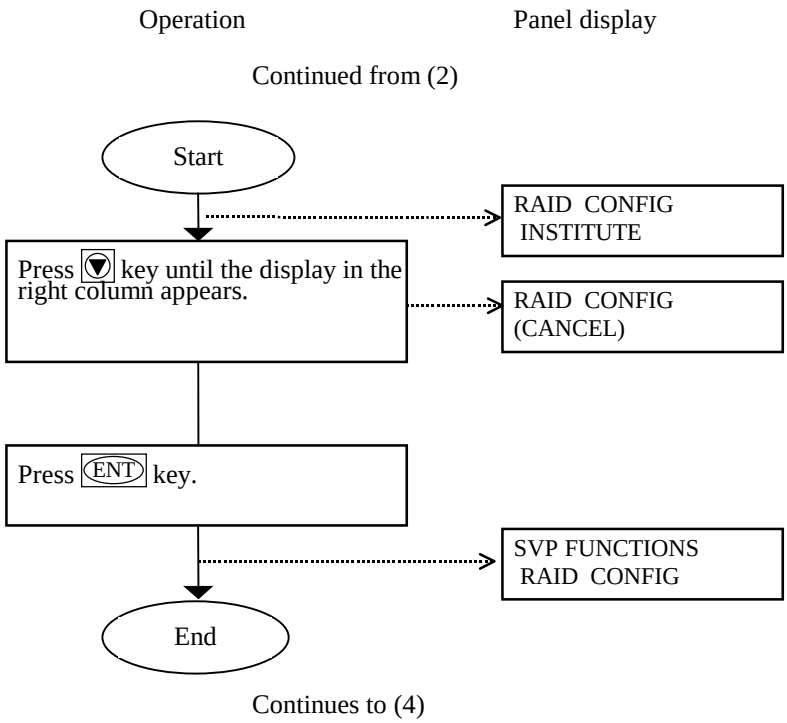


Figure 6.3.4 Quitting RAID CONFIG Menu

(4) Starting up LU CONFIG menu

Start up LU CONFIG menu by operating subsystem according to Figure 6.3.5.

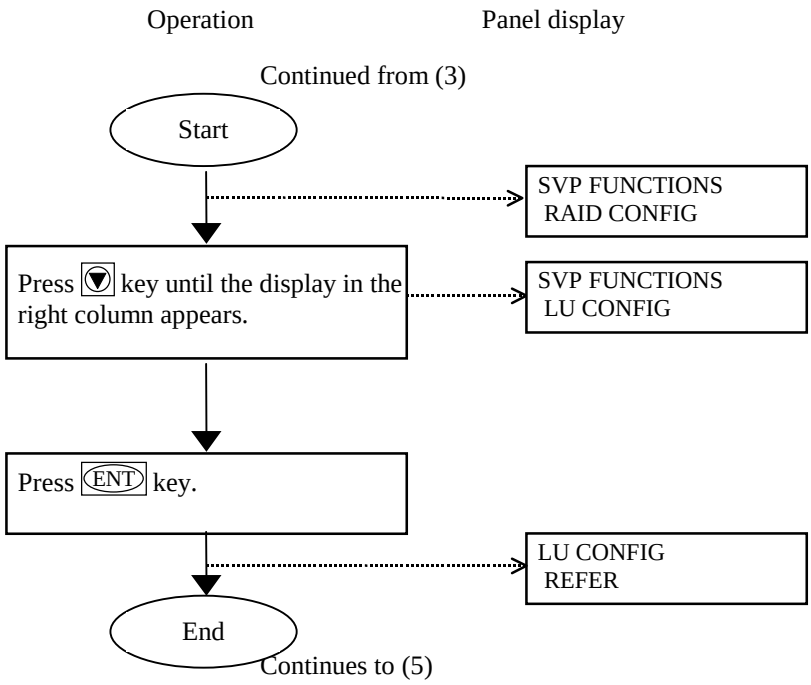


Figure 6.3.5 Starting up LU CONFIG Menu

(5) Instituting LU CONFIG

① Sequence of operation

Figure 6.3.6-① shows the sequence of instituting LU CONFIG. Operate subsystem according to ②-⑥.

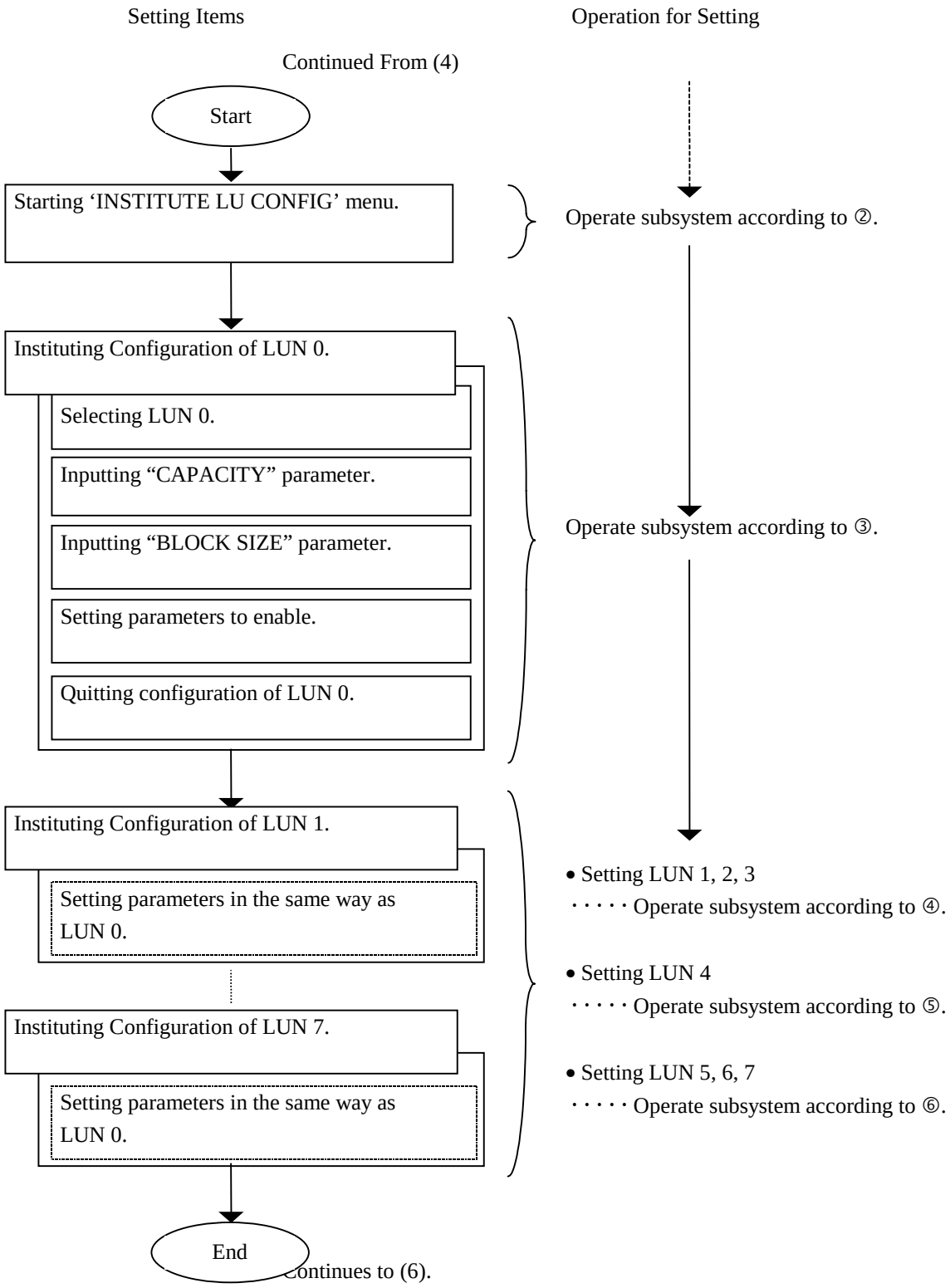


Figure 6.3.6-① Sequence of Setting LU CONFIG

② Starting INSTITUTE LU CONFIG menu

Start up INSTITUTE LU CONFIG menu by operating subsystem according to Figure 6.3.6-②.

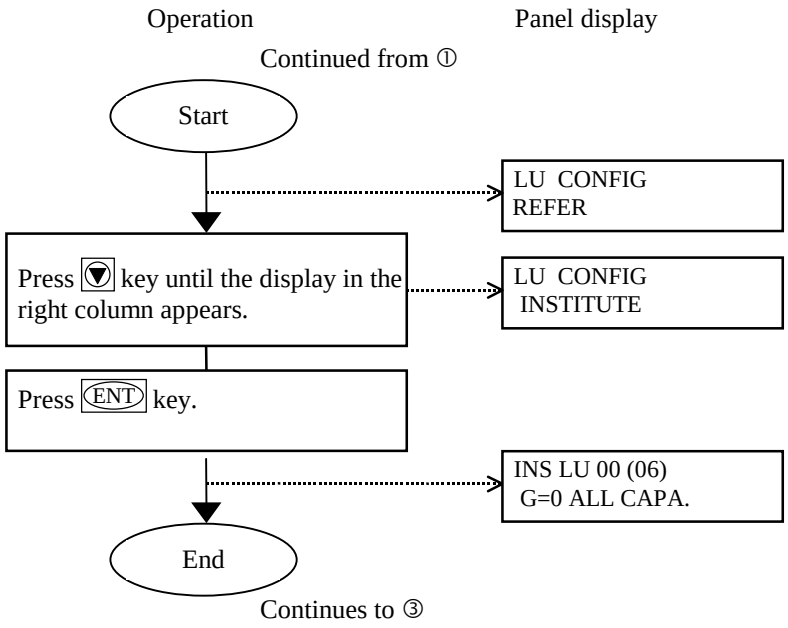


Figure 6.3.6-② Starting up INSTITUTE LU CONFIG Menu

③ Instituting LU CONFIG for LUN 0

Institute LU CONFIG for LUN 0 by operating subsystem according to Figure 6.3.6-③.

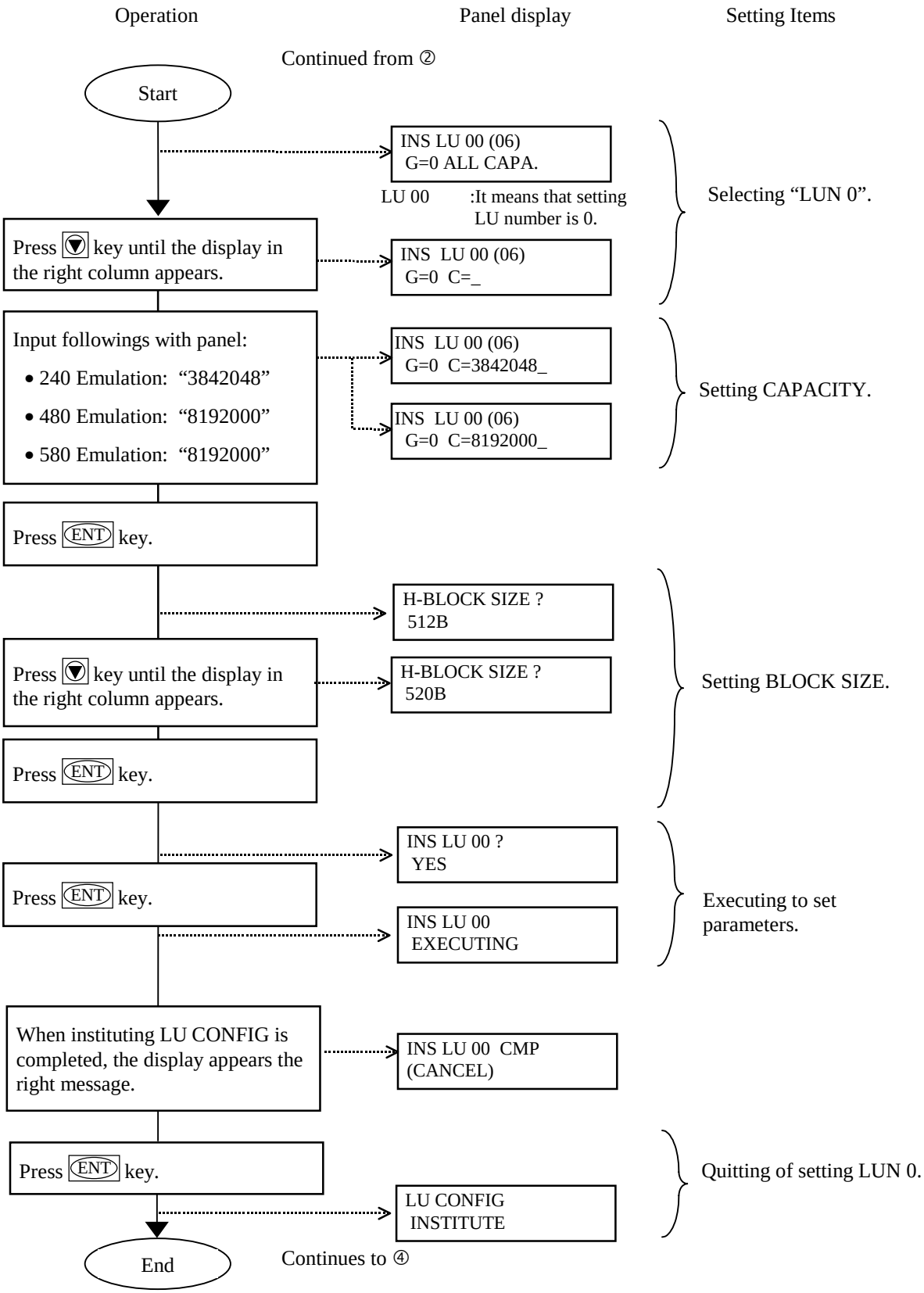


Figure 6.3.6-③ Instituting LU CONFIG for LUN 0

④ Instituting LU CONFIG for LUN 1,2,3

Institute LU CONFIG for LUN 1,2,3, after the institution of LUN 0 CONFIG.
Operation is shown below.

- Set LUN1 first, then set LUN 2, LUN 3 in order.
- Except (i) and (ii), instituting operation LUN 1,2,3 is the same as LUN0 instituting operation. Operate subsystem according to LUN 0's operation.
- After instituting LU CONFIG for LUN 1,2,3, go to ⑤.

(i) The difference in the selecting operation is shown in Figure 6.3.6-④

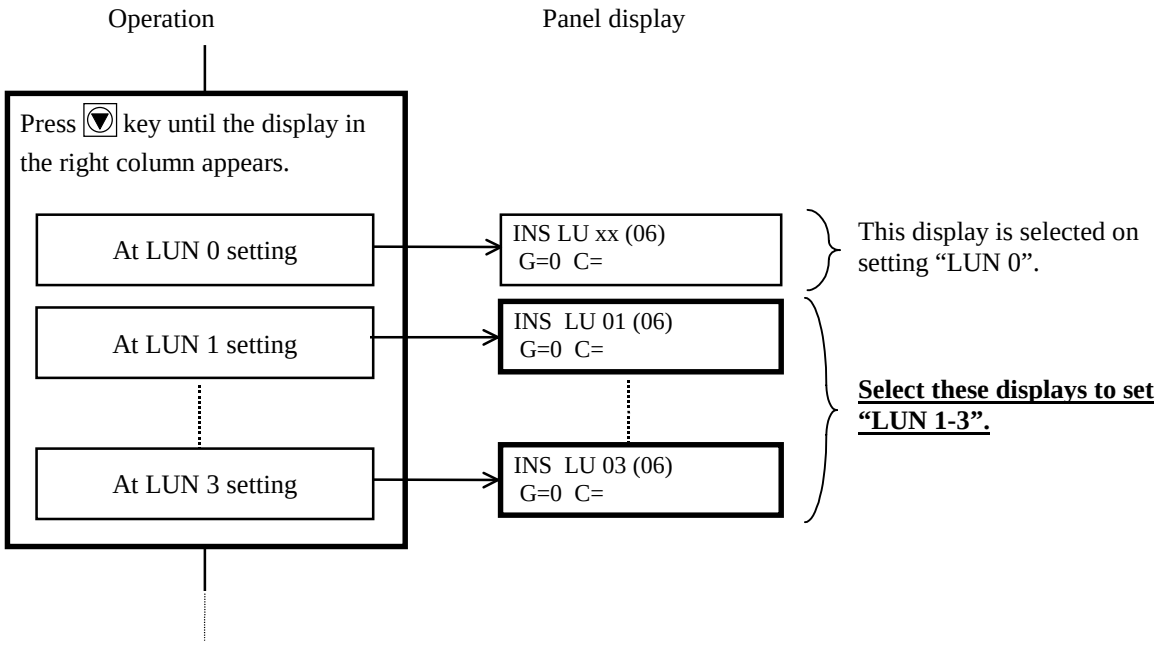


Figure 6.3.6-④ Selecting "LUN 1-3"

(ii) At all the displays, LU number which appear in the panel is different. At Lun 0 setting ,it appears "LU 00". At LUN 1-3 setting, it appears "LU xx". (xx is setting LU number.)

⑤ Instituting LU CONFIG at LUN 4

This operation is necessary only ofr models having 2 rows of drives. For models having only one row of drives, skip this section and go to (6) since this operation is not necessary.

In succession, for LUN 4, institute LU CONFIG. Operation is as shown below.

- Except (i) and (ii), instituting operation LUN 4 is the same as LUN0 instituting operation. Operate subsystem according to LUN 0's operation.
- After instituting LU CONFIG for LUN 4, go to ⑥.

(i) The difference in selecting operation is shown in Figure 6.3.6-⑤.
Note the difference in bold frames.

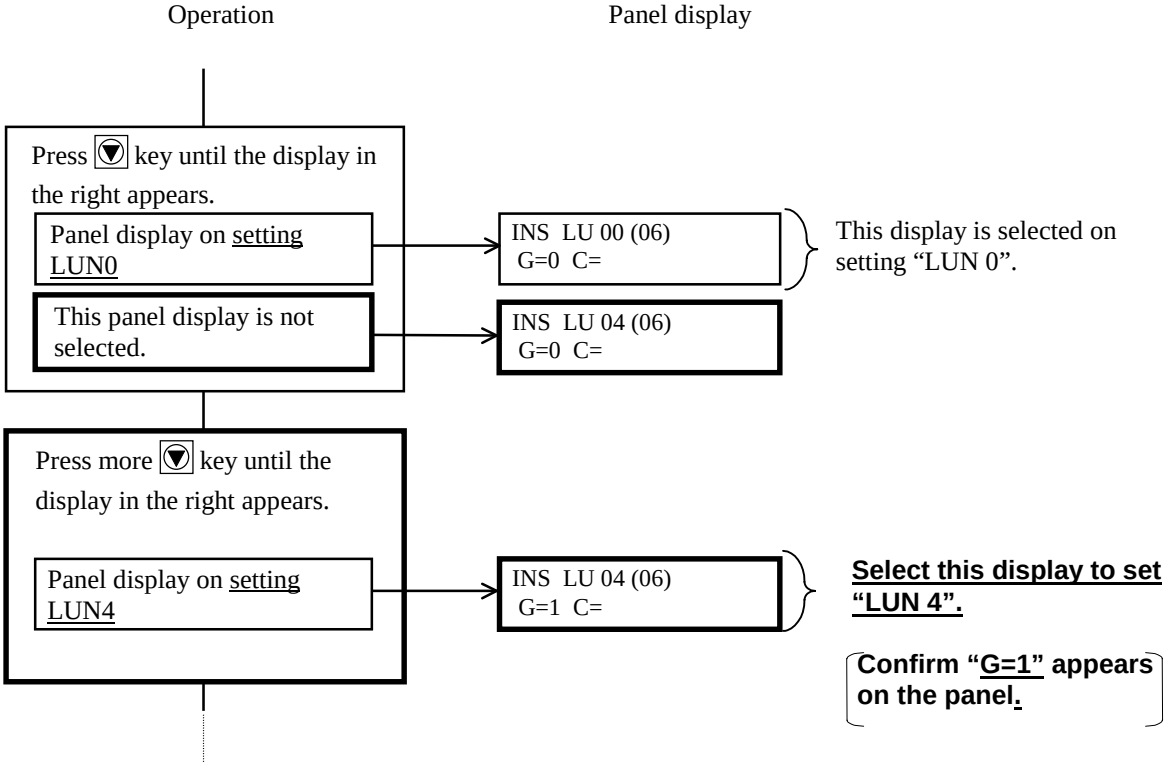


Figure 6.3.6-⑤ Selecting "LUN 4"

(ii) At all the displays, LU number which appear in the panel is different. At Lun 0 setting ,it appears "LU 00". At LUN 4 setting, it appears "LU04".

⑥ Instituting LU CONFIG for LUN 5-7

This operation is necessary only ofr models having 2 rows of drives. For models having only one row of drives, skip this section and go to (6) since this operation is not necessary.

Institute LU CONFIG for LUN 5, 6, 7, after the institution of LUN 4 CONFIG.
Operation is shown below.

- Set LUN5 first, then set LUN 6, LUN 7 in order.
- Except (i) and (ii), instituting operation LUN 5, 6, 7 is the same as LUN4 instituting operation. Operate subsystem according to LUN 4's operation.
- After instituting LU CONFIG for LUN 5,6,7, go to (6).

(i) The difference in the selecting operation is shown in Figure 6.3.6-⑥

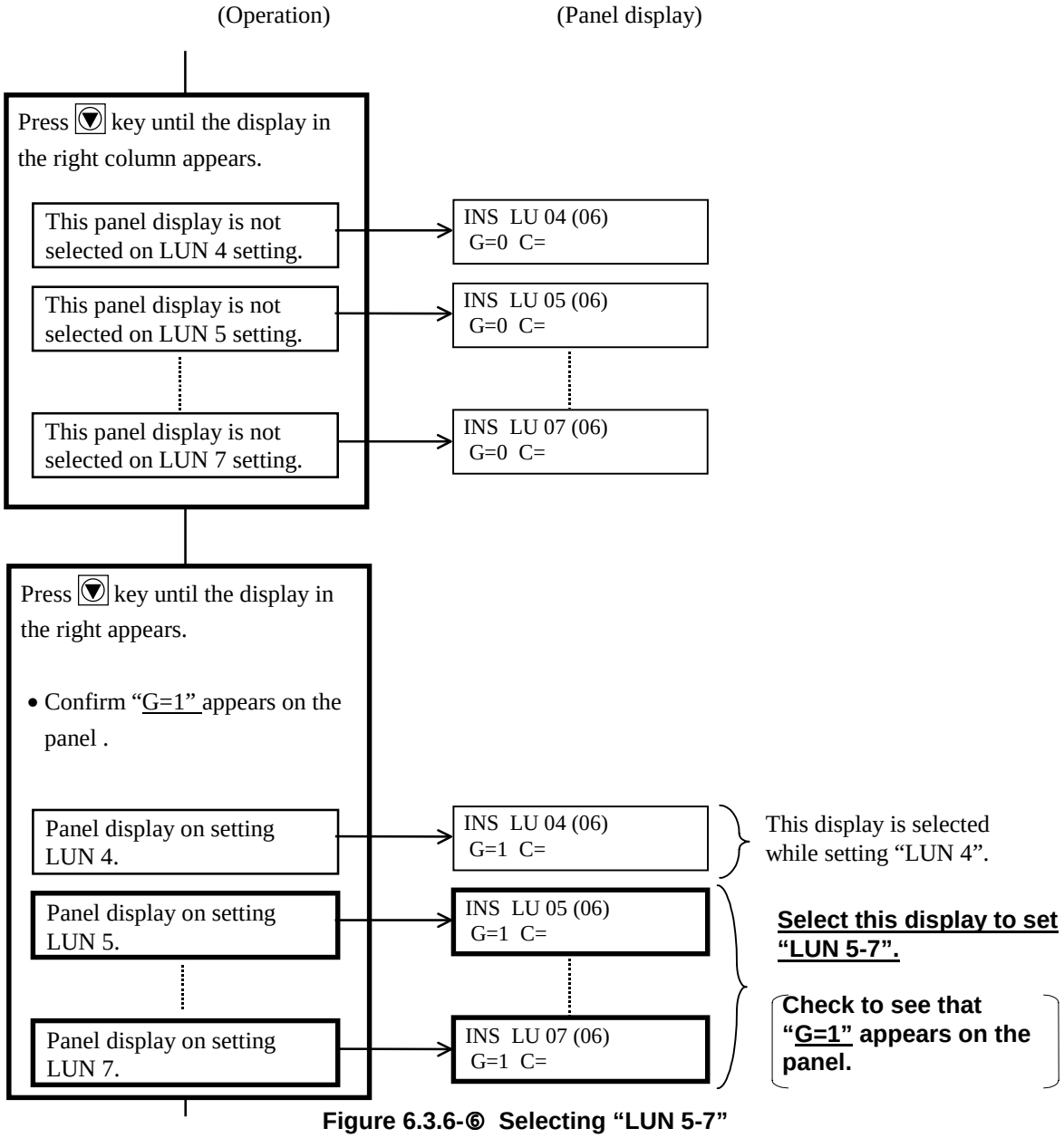


Figure 6.3.6-⑥ Selecting "LUN 5-7"

(ii) At all the displays, LU number which appear in panel is different. At Lun 4 setting ,it appears "LU 04". At Lun 5-7 setting, it appears "LU xx". (xx is setting LU number.)

(6) LU Formatting operation

① Sequence of operation

Figure 6.3.7-① shows the sequence of LU formatting operation. Operate subsystem according to ② to ⑤.

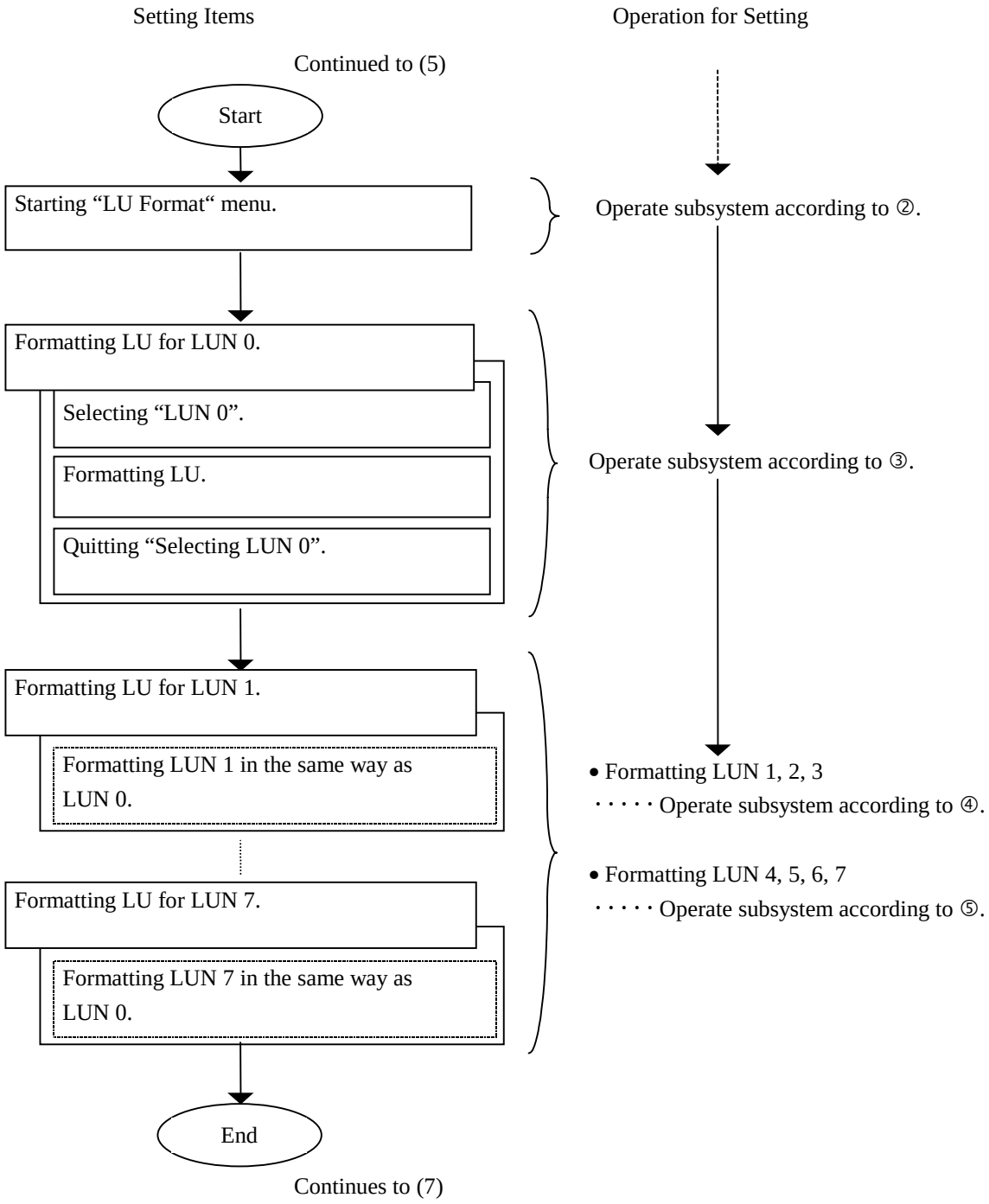


Figure 6.3.7-① Sequence of LU Formatting Operation

② Starting LU Format menu

Start LU format menu by operating subsystem according to Figure 6.3.7-②.

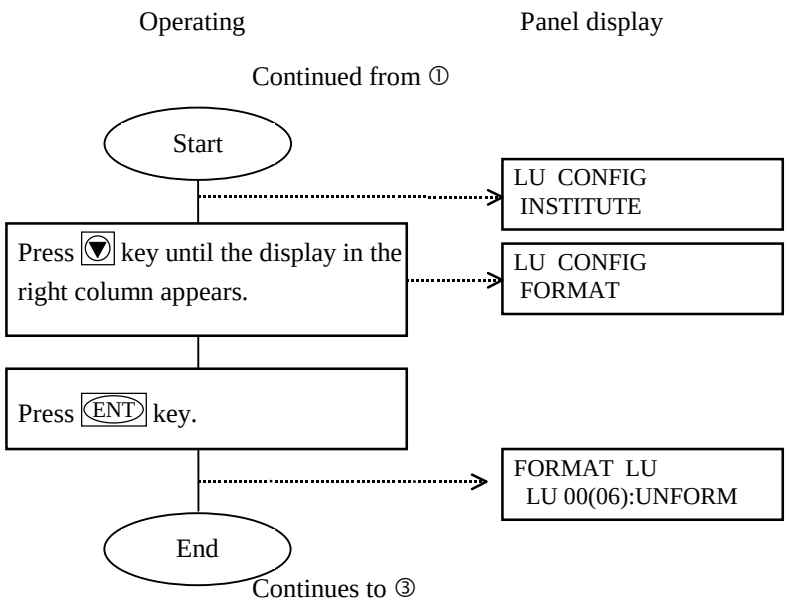


Figure 6.3.7-② Starting LU Format Menu

③ Formatting LU at LUN 0

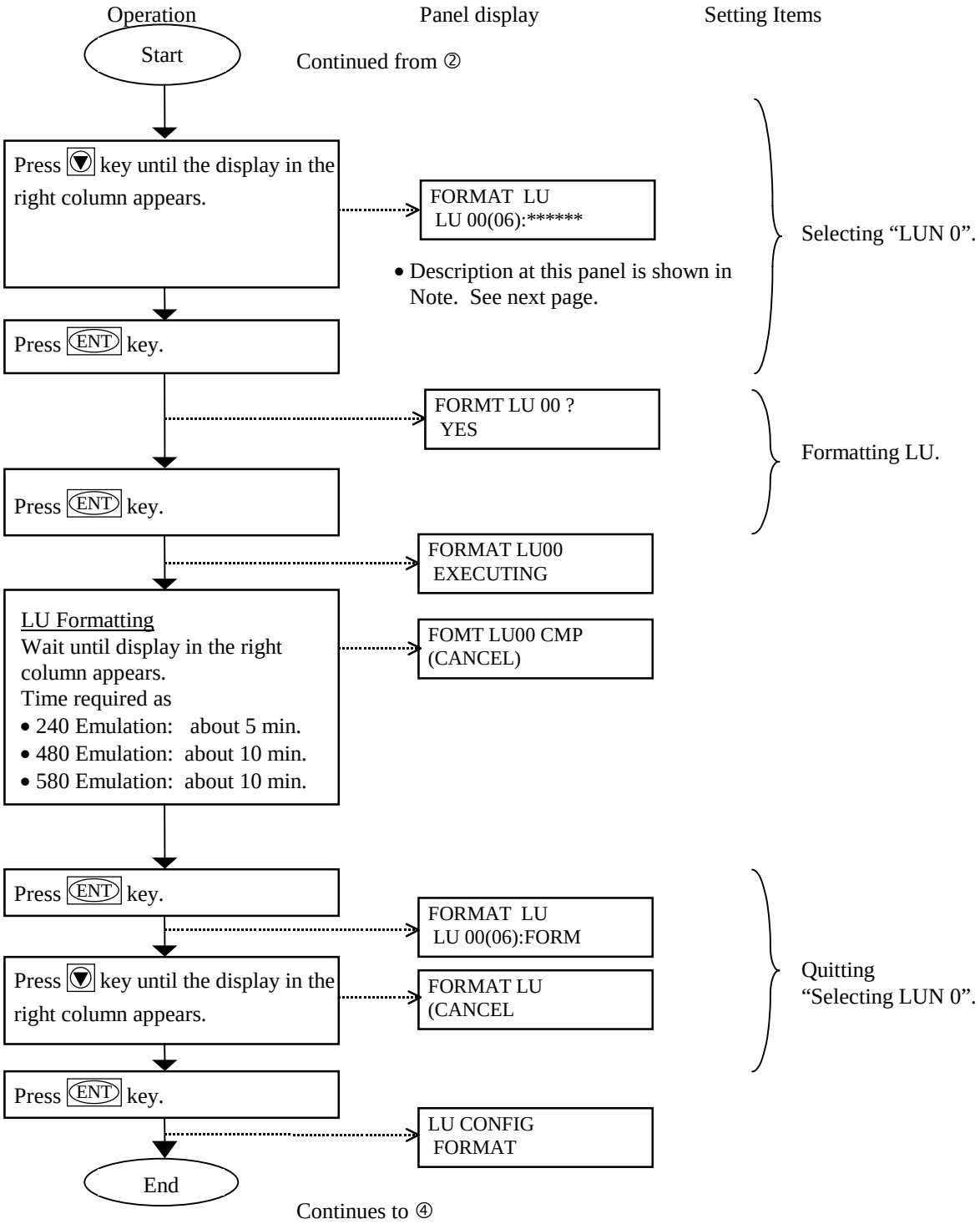


Figure 6.3.7-③ Formatting LU at LUN 0

Note: The meaning of the panel display.

```
FORMAT  LU
 LU 00(06):******
```

LU 00 :It means that LU number is 0.
****** :It means LU status.
FORM: Formatting has completed.
UNFORM: Formatting not complete. Formatting is required.

④ Formatting LU for LUN 1-3

Format LU for LUN 1, 2, 3, after formatting LUN 0.
Operation is shown below.

- Format LUN1 first, then format LUN 2, LUN 3 in order. (You can changing the order)
- Except (i) and (ii), formatting operation at LUN 1,2,3 is the same as LUN 0 formatting operation. Operate subsystem according to LUN 0's operation.
- After formatting completed for all the LU, go to⑤.

(i) The difference in the selecting operation is shown in Figure 6.3.7-④. (Operations shown in bold frames are added)

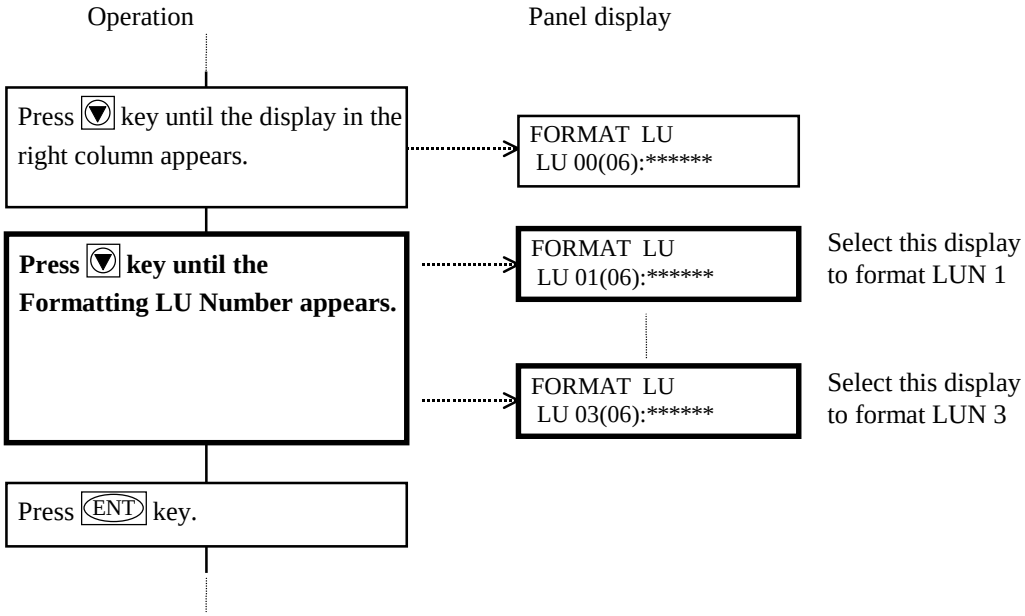


Figure 6.3.7-④ Selecting LUN 1-3 Operation

(ii) At all the displays, LU number which appear in panel is different. At Lun 0 setting ,it appears "LU 00". And at Lun 1-3 setting, it appears "LU xx". (xx is setting LU number.)

⑤ Formatting LU for LUN 4-7

Formatting LUN 4-7 is **required only for Rackmount type which has 2 ROW of HDDs**. Rackmount type which has 1 ROW only, doesn t need to format LUN 4-7. Skip this operation and go to (7).

Operation of formatting LU for LUN 4-7 is shown below.

- Format LUN4 first, then format LUN 5, LUN 6, LUN 7 in order. (You can changing the order)
- Formatting operation for LUN 4-7 is the same as LUN 1-3 formatting operation. (See Figure 6.3.7-⑤). Operate subsystem to according to LUN 1-3 formatting operation.
- After formatting completed for all LUs, go to (7).

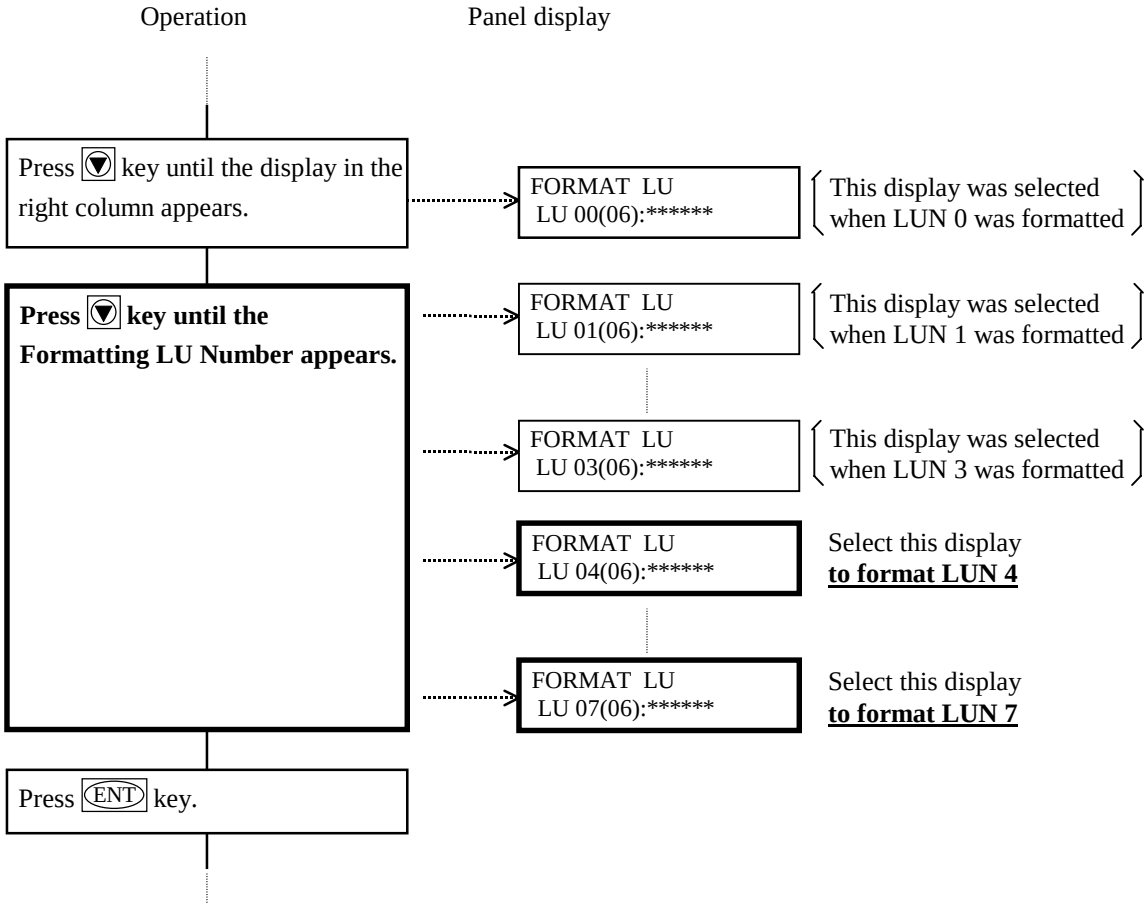


Figure 6.3.7-⑤ Alteration in Selecting LUN 4-7

(7) Quitting LU CONFIG and SVP

The operation to quit LU CONFIG and SVP is shown in Figure 6.3.8.

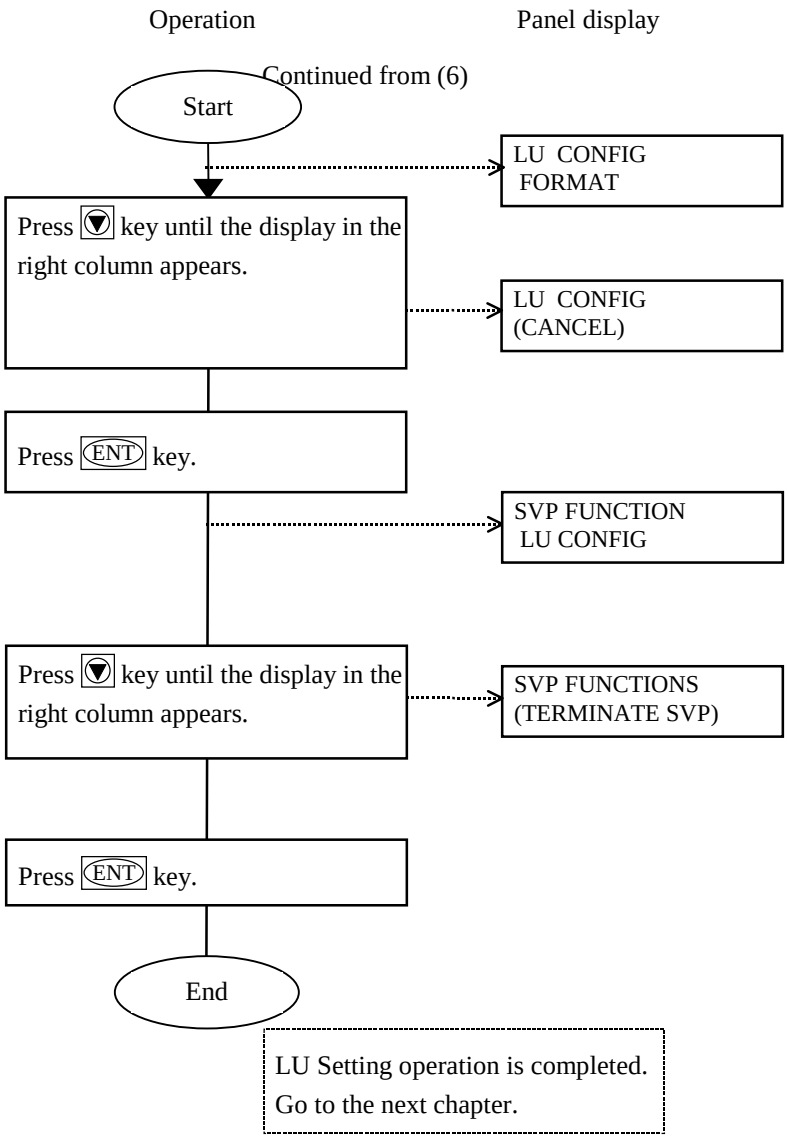


Figure 6.3.8 Quitting LU CONFIG and SVP

7. Confirming DF300 Operation

7.1 Items of Confirming Operation

To confirm DF300 operation, execute the process shown in Figure 7.1.1.

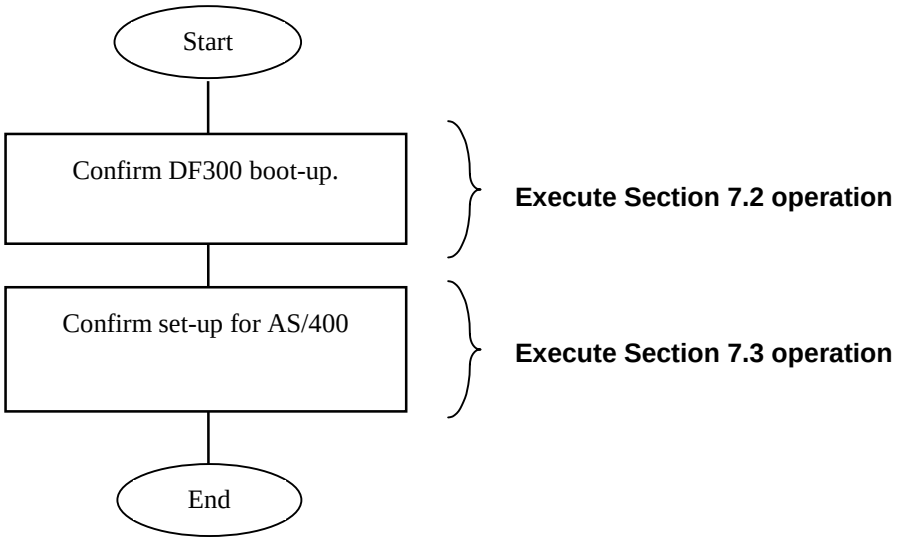


Figure 7.1.1 Confirming Process

7.2 Confirming DF300 Boot-up

Perform the following operation and verify that DF300 has booted. (Verify the item in the bold frames.)

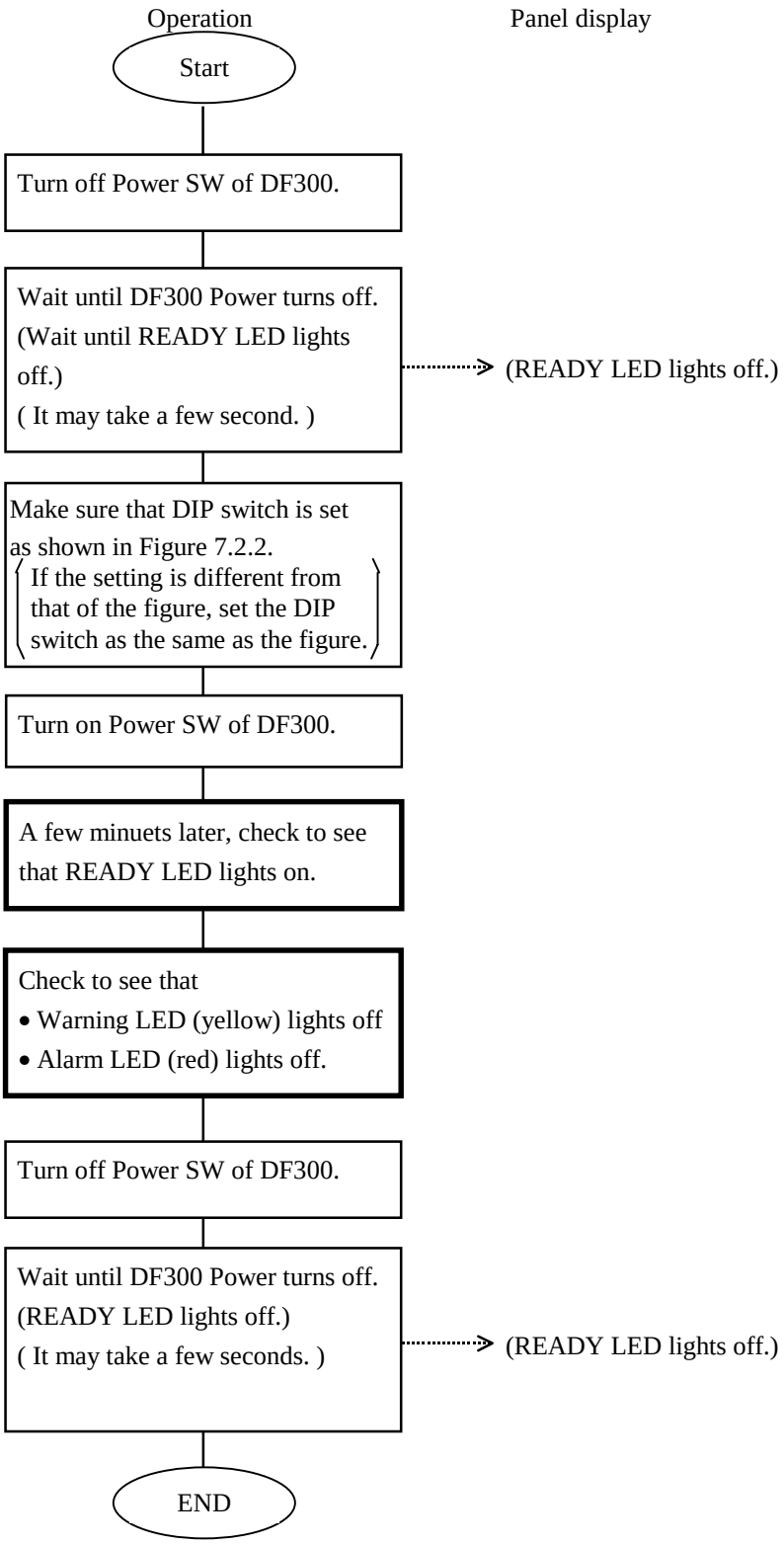


Figure 7.2.1 Confirming DF300 Activity

Mini tower type

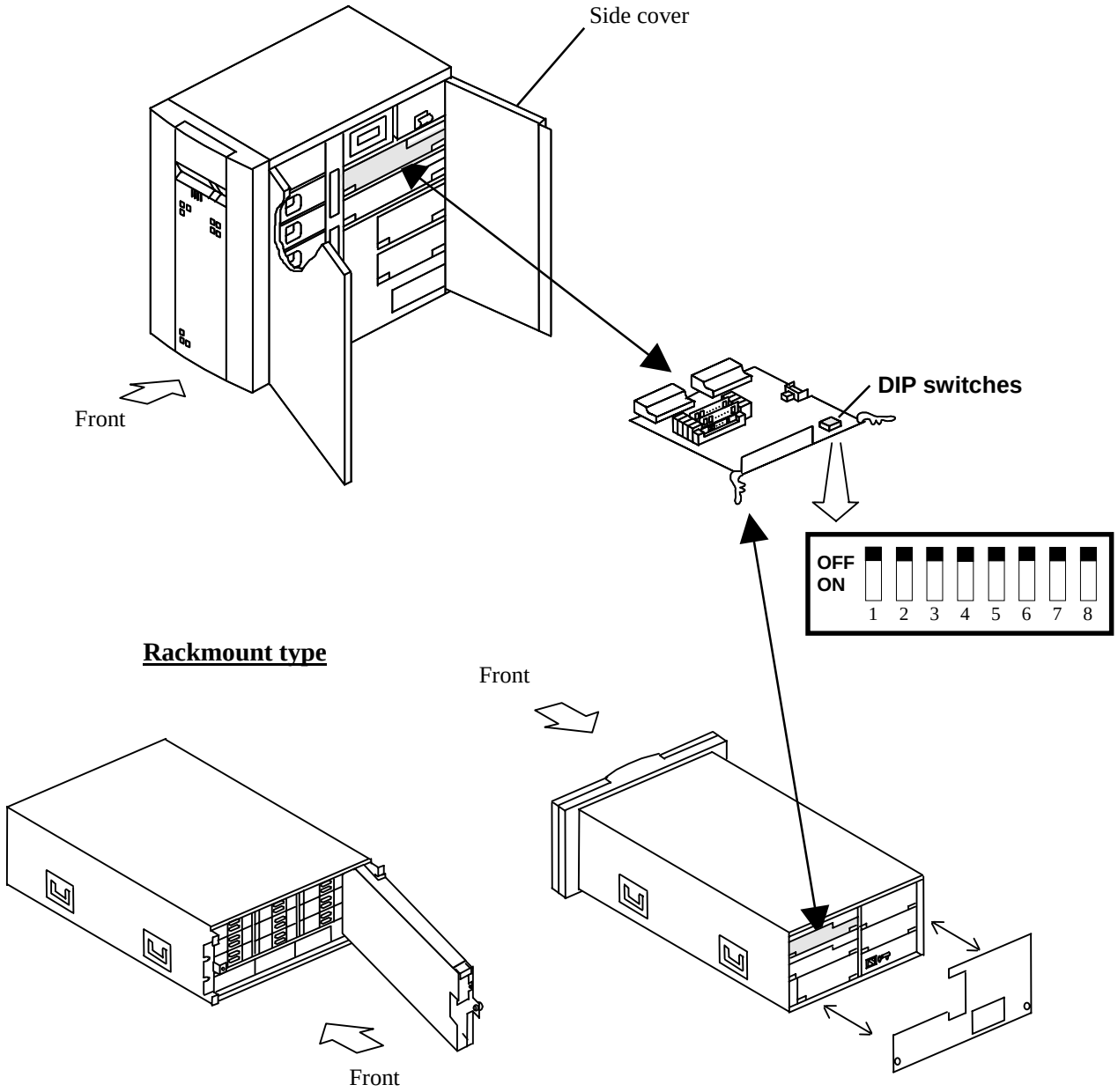


Figure 7.2.2 Setting of the DIP Switches

7.3 Confirming Set-up for AS/400

Execute the operation below to confirm setup for AS/400. (Verify the item in the bold frames.)

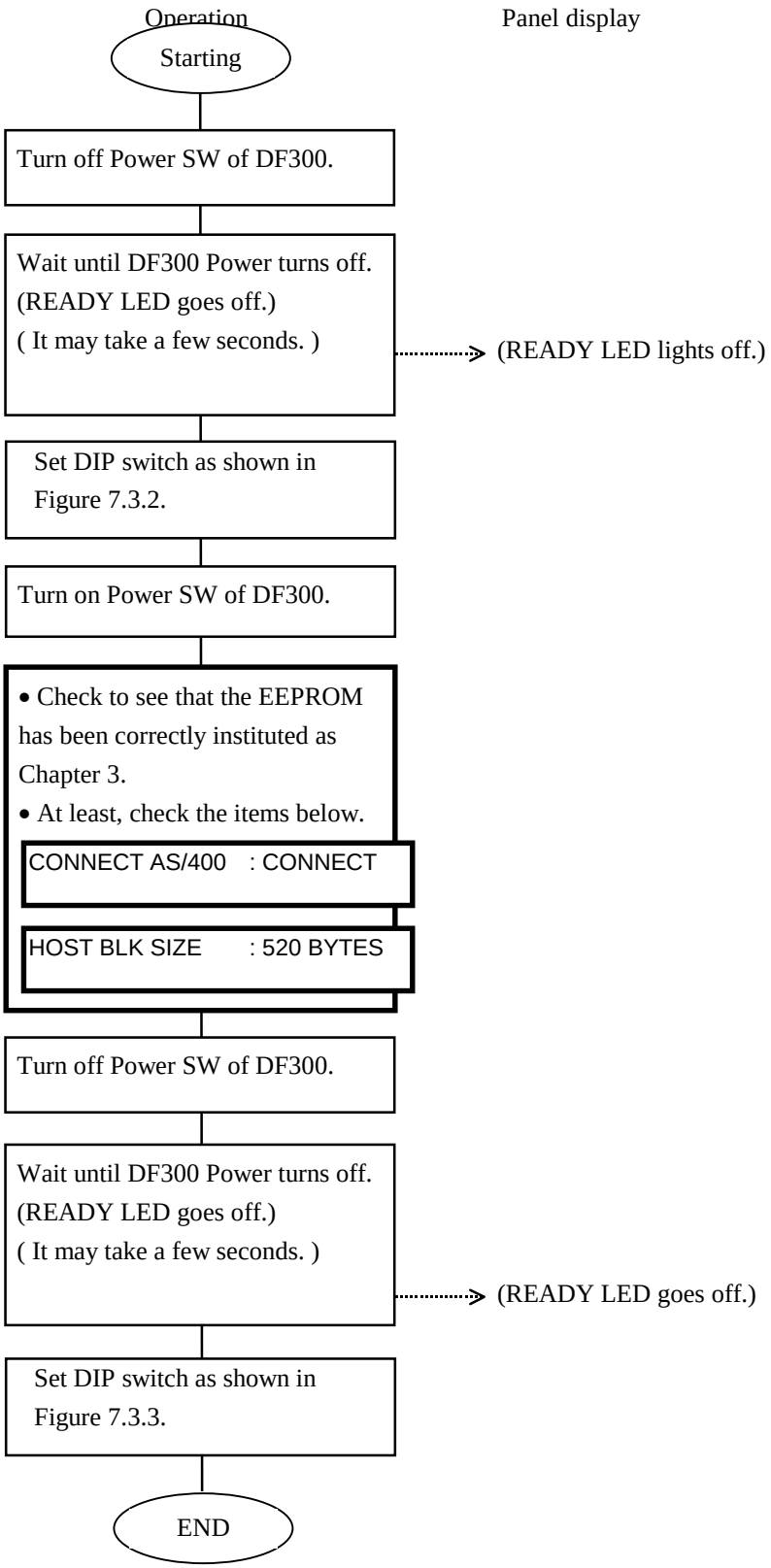


Figure 7.3.1 Confirming Set-up for AS/400

Mini tower type

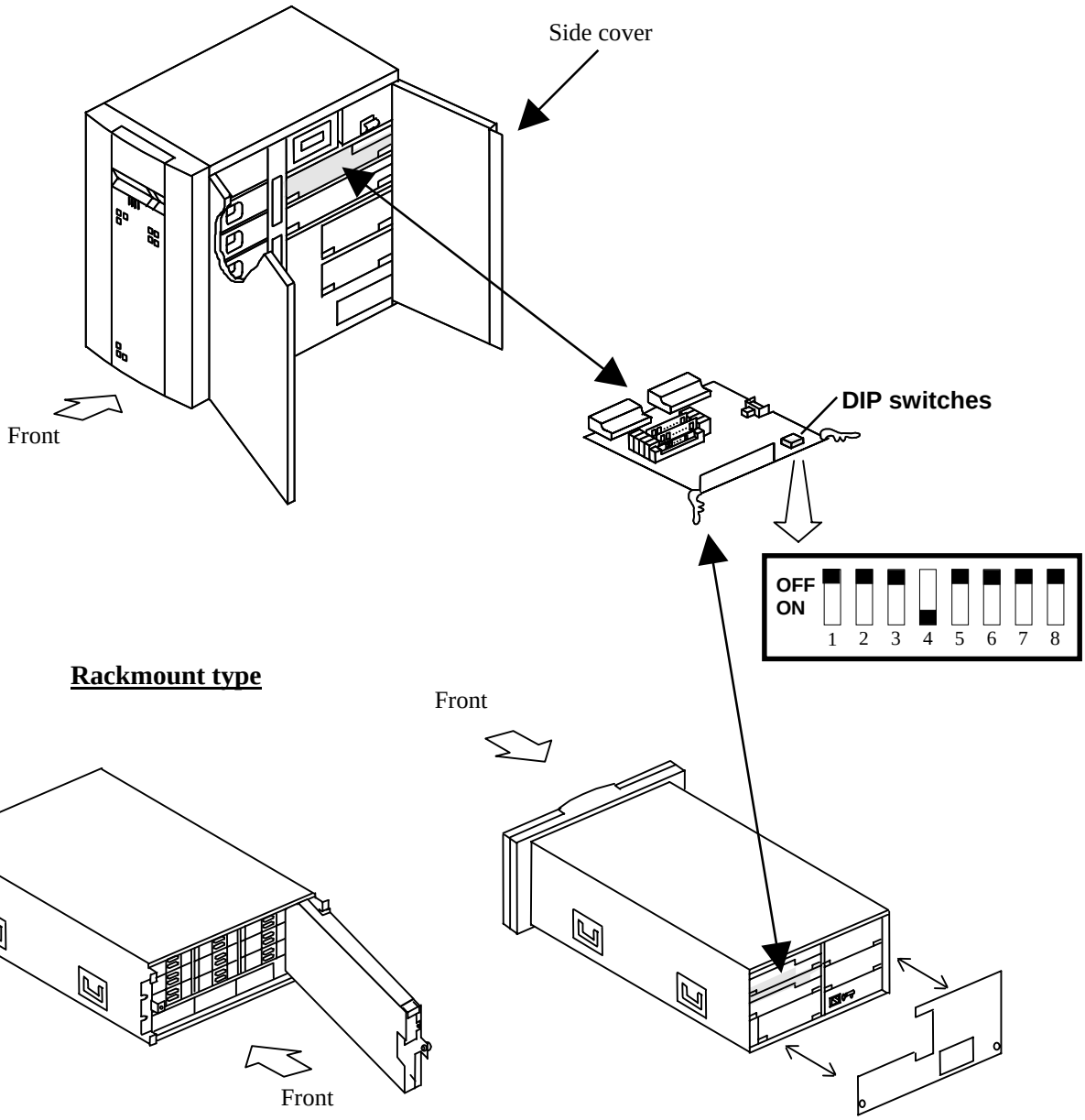


Figure 7.3.2 Setting of the DIP Switches

Mini tower type

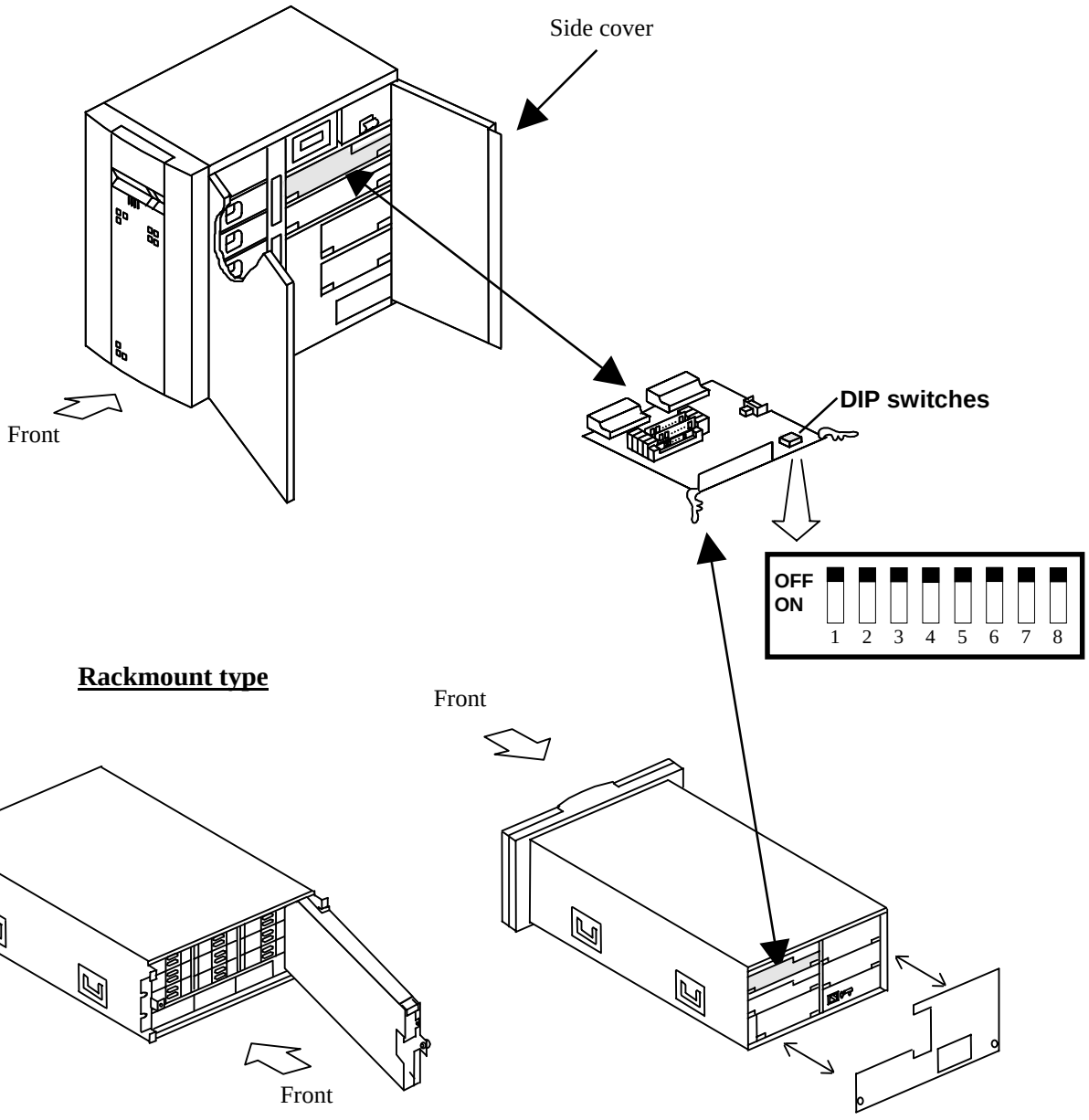


Figure 7.3.3 Setting of the DIP Switches

Appendix A 'Serial Number' specifications

Appendix A-1 Numbering of Serial Number

(1) Reason why the Serial Number is to be Changed

Serial number of devices connected to an AS/400 system should be different from each other. (If DF300, 9337 or 9337 compatible systems have been already connected to AS/400, the number of DF300 to be newly connected should be different from numbers of those devices.) **Consequently, when a DF300 is newly installed for an AS/400, a default number is given first, and, if required the number is to be changed. (See Figure A.1.1)**

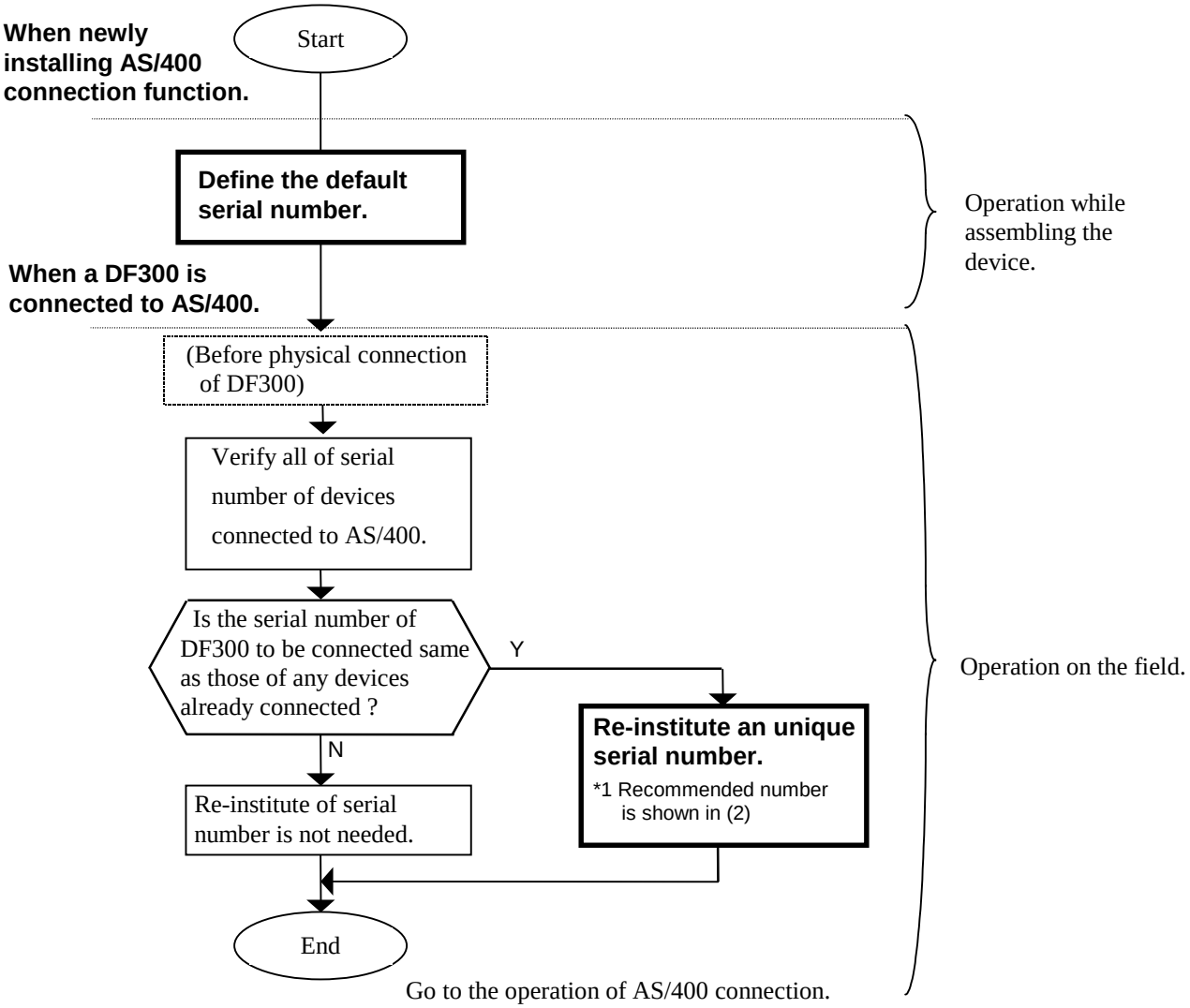


Figure A.1.1 Flow of Setting the Serial Number

(2) Method for Taking a Recommended Serial Number

Before changing the serial number, an unique serial number should be taken. A recommended method to take a serial number is explained.

① Serial number to be taken is a 4 digit hexadecimal number.

② Recommended serial numbers are shown in Table.A.1.1. Taken a serial number according to Table A.1.1.

③ Reconfirm the numbers are not duplicated.

Table A.1.1. Method for Taking Recommended Serial Number

Parameter set in EEPROM	Remark
"Axxx"-"Fxxx" • xxx: Countering Number ("000"-"999").	① Countering number (3 digits) is controlled by each OEM. ② Correspondence between countering number and manufacture number is controlled by each OEM.

(3) Method for Changing Serial Number

See Item 3.3.17 for the process to set the serial number taken in (2) to DF300.