HT-4139-28/48 Scanner

Troubleshooting Manual

(Error Codes and Operations)

HITACHI

Contents

Chapter 1. Error Display 1 – 1
1.1 LED Indicate 1 – 1
1.2 Error Dialogs In Scanning 1 – 2
1.3 Dialog when Scanning Suspended 1 – 3
1.4 Dump Information 1 – 4
1.5 How to Analyze Error 1 – 8

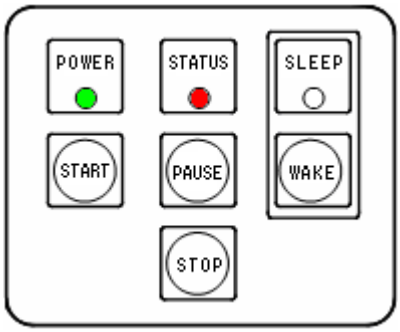
Chapter 2.Error Codes 2 – 1
2.1 Scanner Error Code List 2 – 1
2.2 Error Code (Host) 2 – 12

Appendix A-1
A-1 How to Recover Error A-1
A-2 Notes on Four-point detection A-2
A-3 Notes on Four-Point-Coordinates Recognition Errors A-4
A-4 Note for sheet check A-5
A-5 Notes on Numbering A-6
A-6 Notes on PatchCode A-7

1 Error Display

1.1 LED Indicate

When the unrecoverable error is detected in the device, it shows in the Panel.
Recover corresponding to state of POWER/STATUS/SLEEP LED as shown in below table.



PANEL LED			Device Status	Recovery
POWER	STATUS	SLEEP		
On	On	Off	Unrecoverable error	Recover according to the error information in the Dialog. (Refer to 2.1)
Off	Off	On	Fan Abnormal error	Check the connection and the rotation of the Fan. If not recovered, replace following parts. 1. #51 DC Fan 2. #52 DC Fan
At about 5seconds after Power is on				

1.2 Error Dialogs In Scanning

If error has occurred in scanning, the error message is displayed.
A recoverable error displays the Recoverable Error Dialog as shown in Figure 2.1.
An unrecoverable error displays the Unrecoverable Error Dialog as shown in Figure 2.2.
The Error Codes are 8 digits under Error Information1.

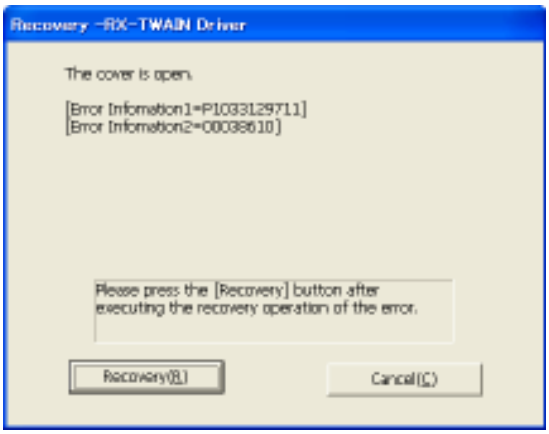


Figure 2.1 Recoverable Error Dialog box

When a sheet is in scanner, please press the [Recovery] button after retrieving the sheet by opening the cover.
Pressing the recovery button when a sheet is in scanner may damage the sheet.

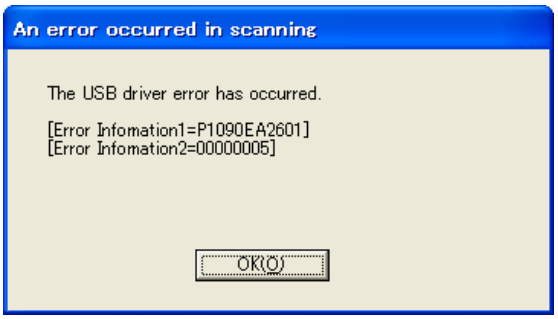


Figure 2.2 Unrecoverable Error Display Dialog box

When a sheet is in scanner, please press the [OK] button after retrieving the sheet by opening the cover.
Pressing the [OK] button when a sheet is in scanner may damage the sheet.
After an unrecoverable error, please turn off and on the scanner and try to scan again.

1.3 Dialog when Scanning Suspended

When Stop button in dialog or device stop button is pressed during scanning, Fig. 2.3 will be displayed.

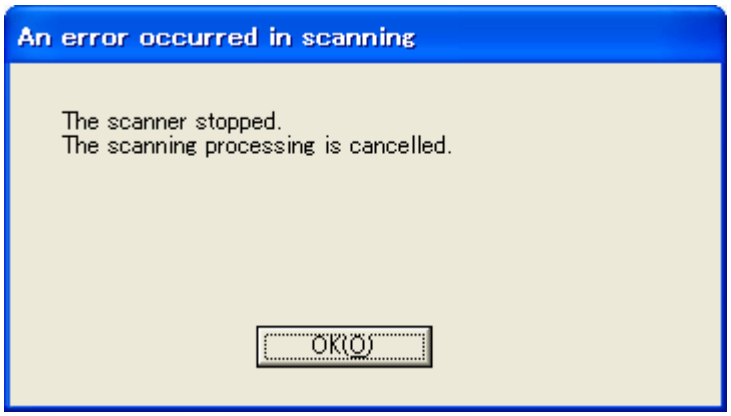


Fig. 2.3 Stop Confirmation Dialog

1.4 Dump Information

When TWAIN driver error, system down error of scanner systems, unrecoverable error, or hung-up of the TWAN driver occurs, get TWAIN driver log, memory dump of scanner and send them .
Resuming operation should be done after saving failure information and recovery operation.
(There may be a case that information will be overwritten.)

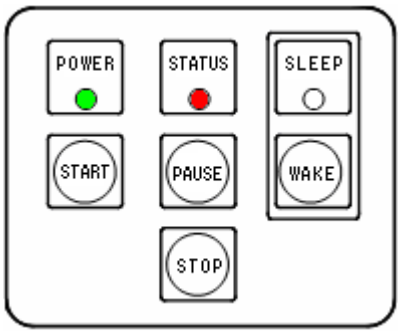
(1) Required tools
Formatted data storage device

(2) Procedure

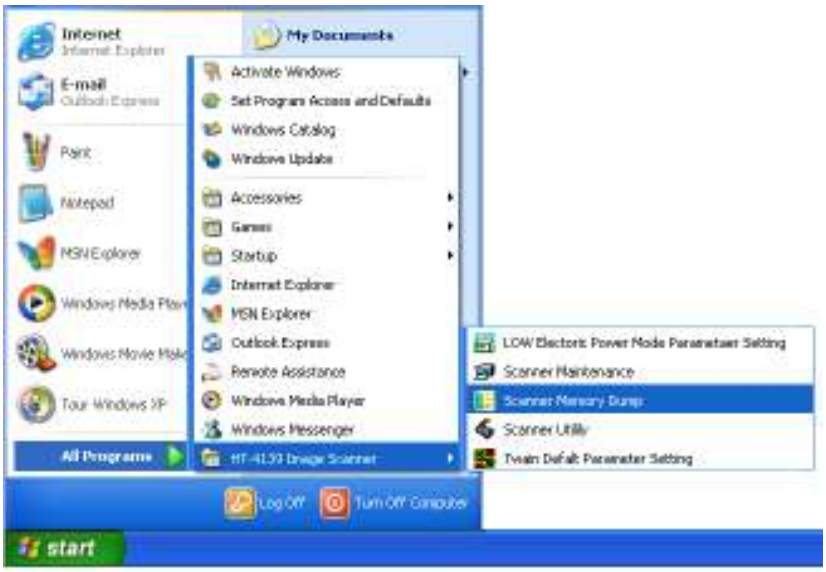
No.	Item	Contents
1	Getting scanner dump	Get scanner memory dump and download dump file.
2	Download log information file	Download log information file of the TWAIN driver.

No.	Item	Contents
1	Getting scanner dump	Get scanner memory dump and download dump file.

(1)Perform this when system down error or unrecoverable error occurs.
The panel indicates the system down status as shown below. Do not power off.



At systems down Power Supply / Status lamp ON



(2)Scanner memory dump
Select “All programs” from a taskbar and click the “Scanner Memory Dump” from the “ HT-4139 Image Scanner” group.

(3)Get dump information from the scanner and scanner will be rebooted.

Examining errors requires the following files.

C:¥OCR32¥ETC32 directory

OCR8F.DMP

OCR8L.DMP

OCR8O.DMP

OCR81.DMP

OCR82.DMP

No.	Item	Contents
2	Download log information file	Download log information file of the TWAIN driver.

The TWAIN driver acquires the dump information.
Examining errors requires the following files.

The following OCR32 is the OCR system setup directory.

C:¥OCR32¥ETC32 directory

AUXLOG.OCR
ImageProcess.DMP
OCRICL_IMGDMP.BMP
OCRPSW32.trc
Ocrz2.dmp
OCR1.DMP
OCR1.CSV
OCR2.DMP
OCR2.CSV
OCR3.DMP
OCR3.CSV
RxTwainDs*.Log (The *** part is numeral.)**

OCR32¥RXTWAIN directory

All files

The dump information does not collect the personal information.

In some cases, image files will be required for analysis.

1.5 How to Analyze Error

This TWAIN driver displays an error message when an error occurs and also save error log in a file for analysis it after you terminate your application program.

Refer to 2.1 Error code list and 2.2 Error Code(Host) or TWAIN Driver user's guide and analyze the error information that you will get from the file.

File name
C:¥OCR32¥RXTWAIN¥RXTWAINERROR.txt

Contents of file (Sample)

```
**********************************************************************
[ERRORCODE]                                   ← the latest error
ERROR1=00020EA1003                            ← error code
ERROR2=00022800                               ← detailed error code
FUNC=initial process                          ← process name
DATE=2008/11/07 13:45:01                      ← error time

[LOG]                                         error log (Max 100)
1=2008/11/07 13:45:01 FUNC= initial process ERR1=00020EA1003,ERR2=00022800

[LOGCURRENT]
Current=1                                     the number of error log
**********************************************************************
```

This file can save up to 100 error information. Error information exceed 100 overwrite older ones. The TWAIN driver will not report an error against write error to this log file.

2 Error Codes

2.1 Scanner Error Code List

Some of errors are not described in this error code list. Refer to error code in the TWAIN Driver user's guide.

Table 2.1 Scanner Error Code (1/11)

No.	Error code	Cause		Recovery
1	20EC1002	The device is reserved. (Other process is using the device.)		Close the program using the scanner and retry.
2	20EC1003	The device is warming up. (The device is not ready.)		Retry when the status lamp start blinking slowly.
3	20EC2001	No device is connected.		Check connection of scanner and reboot the scanner and the host. If not recovered, replace following parts. 1. #97 USB cable. 2. #24/25 MAIN PK-ASSY(28 or 48) 3. #23 DRV PK-ASSY 4. #21 FRU-ASSY(RX8OCR)　PS-ASSY
4	21122810	Lighting time has reached to the threshold value.	Front	Replace the #4 Fluorescent lamp of the described surface.
	21122811		Back	
5	2112282X 2112283X 2112286X 2112287X	A lamp for scanning is not bright enough.	Front	Clean the lower mirror and cover glass of the described surface. Check video level of the described surface using Maintenance Tools and check if the lamp is on. If not recovered, replace following parts of the describe surface. 1. #4 Fluorescent lamp. 2. #64 LAMP INVERTER 3. #22 Scanner ASSY 4. #24/25 MAIN PK-ASSY (28 or 48)
6	2112284X 2112285X 2112288X 2112289X		Back	
7	2112308X 2112309X X:0 to 6	Warning for contamination on the scanning head.	Front	
8	2112308X 2112309X X:8 to E		Back	
9	21123301	Reaching the life of #1 Pick Roller for scanning.		Replace the described Roller and reset the roller's counter using Scanner Utility, Operation parameter setting. Check contract for Consumables.
	21123302	Reaching the life of #2 Separator Roller for scanning.		
	21123304	Reaching the life of #3 Reverse Roller for scanning.		

Table Scanner Error Code (2/11)

No.	Error code	Cause		Recovery
10	2312D01X 2312D10X	Multiple feeding check error		Check if sheet and parameter are correct
11	250F3000 250F4000 250F5000 250F60XX 250F700X 250F8000 250F900X 250FA001 250FBXX0	Scanner mode is different.		Suspend the process and power cycle to continue. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
12	264C0002	Un-scanned sheets remain in the scanner.		Continue scanning until hopper will be empty.
13	30129001 30129011	No sheets in the hopper.		Set sheets to continue scanning or finish process.
14	301296XX	Stop scanning(Stop switch)		Set sheets to continue scanning or finish process. If not recovered, replace following parts. 1. #72 Panel 2. #23 DRV PK-ASSY 3. #24/25 MAIN PK-ASSY (28 or 48)
15	30129801	Stop scanning(Stop command)		Set sheets to continue scanning or finish process. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
16	32126006	Sheet jam		Remove jammed Sheet and resume scanning.
17	331218F0	Front, scanning error		Remove jammed Sheet and resume scanning. If not recovered, 1. check connection of the J11 and J12 on #24/#25 MAIN PK/ASSY, and J40 on #22 Scanner ASSY. 2. Replace following parts. 2.1 #24/25 MAIN PK-ASSY (28 or 48) 2.2 #22 Scanner ASSY
18	331218F1	Back, scanning error		
19	331220XX	Detector error	PC11	Check the described Detector information using Maintenance Tools. Clean the described Detector, then run Procedure of Auto Calibration. If not recovered, replace following parts. 1. #23 DRV PK-ASSY 2. #24/25 MAIN PK-ASSY (28 or 48) 3. Described Detection Unit
20	331221XX		PC20	
21	331222XX		PC22	
22	331223XX		PC21	
23	331224XX		PC31	
24	331225XX		PC41	
25	331226XX		PC42	
26	331227XX		PC43	

Table Scanner Error Code (3/11)

No.	Error code	Cause		Recovery
27	331229XY X=0,4,8,9, C,D	Light intensity error	Front	Check video level of the described surface using Maintenance Tools. Clean the lower mirror and cover glass of the described surface. If not recovered, replace following parts of the describe surface. 1. #4 Fluorescent lamp. 2. #38/#39 Lamp ASSY(Front or Back) 3. #22 Scanner ASSY 4. #24/25 MAIN PK-ASSY (28 or 48) 5. #64 LAMP INVERTER
	331229XY X=2,6,A,B E,F		Back	
28	3312313X	Detector error	PC51	Clean the described Detector, then run Procedure of Auto Calibration. If not recovered, replace following parts. 1. #23 DRV PK-ASSY 2. #24/25 MAIN PK-ASSY (28 or 48) 3. Described Detection Unit
29	3312314X		PC52	
30	3312313X		PCF1	
31	3312314X		PCF2	
32	3312315X		PCF3	
33	3312316X		PCF4	
34	3312317X		PCF5	
35	33123400	Elevator error		Check the elevator movement using Maintenance Tools. Check the F/L sensor information using Maintenance Tools with moving the Pick Cover up and down. Check if #27 Hopper ASSY and #58 F/L sensor are attached properly. If not recovered, replace following parts. 1. #58 F/L sensor 2. #23 DRV PK-ASSY 3. #27 Hopper ASSY 4. #32 Elevator ASSY 5. #43 Stepping Motor (Elevator Motor)
36	33123401			
37	33123680 33123AXX	Ultra sonic sensor error		Check if the piece of paper remains of the Ultra Sonic Sensor part. Check the Ultra sonic sensor level using Maintenance Tools. Clean the Ultra sonic sensor, then run Procedure of Auto Calibration. If not recovered, replace following parts. 1. #26 SS PK-ASSY 2. #69 SS-SENSOR 3. #23 DRV PK-ASSY 4. #24/25 MAIN PK-ASSY (28 or 48)

Table Scanner Error Code (4/11)

No.	Error code	Cause	Recovery
38	33124000	Sheet is ejected to the wrong stacker (A).	Check the Gate movement using Maintenance Tools. If the Gate doesn't move property, replace following parts. 1. #53 R-SOL ASSY 2. #23 DRV PK-ASSY If the Gate move properly, check the PC42/PC43 Detector information using Maintenance Tools. clean PC42/PC43 Detector, then run Procedure of Auto Calibration. If not recovered, replace following parts. 1. #23 DRV PK-ASSY 2. #24/25 MAIN PK-ASSY (28 or 48) 3. PC42/PC43 Detection Units
39	33124400	Sheet is ejected to the wrong stacker (R).	
40	33124812 33124820 33124822 33124824 33124830 33124832 33124834 33124840 33124841 33124842 33124850 33124851 33124852 33124860 33124862	Mirror control error. (Front)	Clean the front lower mirror and cover glass. Check video level of the described surface using Maintenance Tools and check if the #4 Fluorescent lamp is on. If not recovered, replace following parts. 1. #4 Fluorescent lamp (Front) 2. #64 LAMP INVERTER (Front) 3. #22 Scanner ASSY (Front) 4. #24/25 MAIN PK-ASSY (28 or 48) 5. #23 DRV PK-ASSY
41	33124813 33124821 33124823 33124825 33124831 33124833 33124835 33124843 33124844 33124845 33124853 33124854 33124855 33124861 33124863	Mirror control error. (Back)	Clean the back lower mirror and cover glass. Check video level of the described surface using Maintenance Tools and check if the #4 Fluorescent lamp is on. If not recovered, replace following parts. 1. #4 Fluorescent lamp (Back) 2. #64 LAMP INVERTER (Back) 3. #22 Scanner ASSY (Back) 4. #24/25 MAIN PK-ASSY (28 or 48) 5. #23 DRV PK-ASSY

Table Scanner Error Code (5/11)

No.	Error code	Cause	Recovery
42	33124920	Imprinting does not work.	Check parameter for imprint is correct. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
43	331261XX	Paper jam at hopper area	1. Check the paper setting by the custmor. if the papers don't set properly, this error will occur. 2. Check following parts. #1 Pick Roller #2 Separator Roller #3 Reverse Roller, #29 Reverse Roller ASSY #101 Torque Limiter #5 Separator Clutch #66 Soft Absorber 3. Check PC21/PC22/PC31 Detector information using Maintenance Tools. Clean PC21/PC22/PC31 Detector, then run Procedure of Auto Calibration. If not recovered, replace following parts. #23 DRV PK-ASSY #24/25 MAIN PK-ASSY (28 or 48) PC21/PC22/PC31 Detection Unit 4. Check the Main Motor movement using Maintenance Tools. If the Main Motor doesn't move property, replace following parts. #41 Stepping Motor (Main Motor)

Table Scanner Error Code (6/11)

No.	Error code	Cause		Recovery
44	331262XX	Paper jam at feeding mechanism		Check the transport and PC21/PC22/PC31/PC41/PC42/PC43 Detector information using Maintenance Tools. Clean the transport and PC21/PC22/PC31/PC41/PC42/PC43 Detector, then run Procedure of Auto Calibration. If not recovered, replace following parts. #23 DRV PK-ASSY #24/25 MAIN PK-ASSY (28 or 48) PC21/PC22/PC31/PC41/PC42/PC43 Detection Unit Check the Main/Eject/Brake Motor movement using Maintenance Tools. If the Motor doesn't move property, replace following parts. #41 Stepping Motor (Main/Eject Motor) #44 Stepping Motor (Brake Motor)
45	331263XX	Paper jam at gate area		Check the Gate movement using Maintenance Tools and #62 Anti-static brushes. Check the Brake Motor movement using Maintenance Tools. If the Brake Motor doesn't move property, replace following parts. #44 Stepping Motor (Brake Motor)
46	331264XX	Paper jam at stacker area		
47	331270XY X=0,1,4,5,8,A	Video gain control error during scan	Front	Check video level of the described surface using Maintenance Tools. Clean the lower mirror, cover sheet/glass and fluorescent lamp of the described surface. If not recovered, replace following parts of the describe surface. 1. #4 Fluorescent lamp. 2. #22 Scanner ASSY 3. #38/#39 Lamp ASSY 4. #24/25 MAIN PK-ASSY (28 or 48) 5. #15 Cover sheet assembly(Front) or #16 Cover glass assembly(Back) 6. #40 Lower Mirror ASSY
48	331270XY X=2,3,6,7,9,B		Back	
49	331272XY X=0,1,4,5,6	Video gain control error during Mirror control	Front	
50	331272XY X=2,3,7,8,9		Back	

Table Scanner Error Code (7/11)

No.	Error code	Cause	Recovery
51	33128001 33128002	Sheet length error during feeding.	Compare Sheet Setting Length and actual sheet length. Check PC22 Detector information using Maintenance Tools. Clean the PC22 Detector, then run Procedure of Auto Calibration. If not recovered, replace following parts. 1. #23 DRV PK-ASSY 2. #24/25 MAIN PK-ASSY (28 or 48) 3. PC22 Detection Unit
52	331281XX	Sheet thickness error during feeding.	Compare Sheet Setting Thickness and actual sheet thickness. Check PC22 Detector information using Maintenance Tools. Clean the PC22 Detector, then run Procedure of Auto Calibration. If not recovered, replace following parts. 1. #23 DRV PK-ASSY 2. #24/25 MAIN PK-ASSY (28 or 48) 3. PC22 Detection Unit
53	33128201 33128202	Sheet length error during feeding..	
54	33128303 33128304	A gap between papers during feeding is too short.	Check PC22/PC41 Detector information using Maintenance Tools. Clean the transport, #3 Reverse Roller and PC22/PC41 Detector, then run Procedure of Auto Calibration. If not recovered, replace following parts. 1. #3 Reverse Roller 2. #23 DRV PK-ASSY 3. #24/25 MAIN PK-ASSY (28 or 48) 4. PC22/PC41 Detection Unit
56	33128500	Sheet length error during feeding.	Check PC22/PC41 Detector information using Maintenance Tools. Clean the transport, #3 Reverse Roller and PC22/PC41 Detector, then run Procedure of Auto Calibration. If not recovered, replace following parts. 1. #3 Reverse Roller 2. #23 DRV PK-ASSY 3. #24/25 MAIN PK-ASSY (28 or 48) 4. PC22/PC41 Detection Unit

Table Scanner Error Code (8/11)

No.	Error code	Cause		Recovery
58	33128701	Sheets remain in the scanner.	—	Check the described Detector information using Maintenance Tools. Clean the described Detector, then run Procedure of Auto Calibration. If not recovered, replace following parts. 1. #23 DRV PK-ASSY 2. #24/25 MAIN PK-ASSY (28 or 48) 3. described Detection Unit
	33128711 33128721		PC11	
	33128712 33128722		PC20	
	33128713 33128723 33128760		PC21	
	33128714 33128724 33128761		PC22	
	33128715 33128725 33128763		PC41	
	33128716 33128726 33128764		PC42	
	33128717 33128727 33128765		PC43	
	33128735 33128745 33128762		PC31	
59	33128801	Sheet feeding error.	PC43	Check the described Detector information using Maintenance Tools. Clean the described Detector, then run Procedure of Auto Calibration. If not recovered, replace following parts. 1. #23 DRV PK-ASSY 2. #24/25 MAIN PK-ASSY (28 or 48) 3. described Detection Unit
60	33128802		PC42	
61	33128803		PC41	
62	33128804		PC22	
63	33128810		PC21	
64	33128811		PC43	
65	33128812		PC42	
66	33128813		PC41	
67	33128814		PC22	
68	33128815		PC31	
69	33128820		PC21	
70	33128821		PC31	

Table Scanner Error Code (9/11)

No.	Error code	Cause	Recovery
71	33128AXX	Detect multiple feeding.	Check If the piece of paper remains of the Ultra sonic sensor part. Check the Ultra sonic sensor level using Maintenance Tools. Clean the Ultra sonic sensor, then run Procedure of Auto Calibration. If not recovered, replace following parts. 1. #26 SS PK-ASSY 2. #69 SS-SENSOR 3. #23 DRV PK-ASSY 4. #24/25 MAIN PK-ASSY (28 or 48)
72	33129680	The scanner is not studied.	Run Procedure of Auto Calibration. If not recovered, replace following parts. 1. #24/25 MAIN PK-ASSY (28 or 48) 2. #23 DRV PK-ASSY
73	331297XX	Scanner cover is open.	Check and adjust the Upper Guide Gap. If the Upper Guide Gap is properly, check the I/L information using Maintenance Tools. if not recovered, replace following parts. 1. #23 DRV PK-ASSY 2. #24/25 MAIN PK-ASSY (28 or 48) 3. #59 INL_ASSY
74	36129130	A Stacker is full. (PC51)	Remove sheets from stacker. If the described Stacker is not full, check the PC51/PC52 Detector information using Maintenance Tools. Clean the PC51/PC52 Detector, then run Procedure of Auto Calibration. If not recovered, replace following parts. 1. #23 DRV PK-ASSY 2. #24/25 MAIN PK-ASSY (28 or 48) 3. PC51/PC52 Detection Unit
75	36129131	R Stacker n is full. (PC52)	
76	36129500 36129510	Miss-feed. Sheet remains hopper.	Set sheets in the hopper properly and resume scanning. Clean #1 Pick Roller, #2 Separator Roller and #3 Reverse Roller. Check the PC11 Detector and F/L sensor information using Maintenance Tools. If PC11 Detector and F/L sensor is not property, replace following parts. PC11 Detection Unit F/L Sensor Check the Pick/T1/Main Motor movement using Maintenance Tools. If the Motor doesn't move property, replace following parts. #23 DRV PK-ASSY #41 Stepping Motor (Pick/T1/Main Motor)

Table Scanner Error Code (10/11)

No.	Error code	Cause	Recovery
77	60222500 60222523 60222526 60222527 60222529 60E9XXXX 60EAXXXX 60EBXXXX 60ECXXXX	A scanner abnormal line was generated.	Check connection of scanner and reboot the scanner and the host. If not recovered, replace following parts. 1. #97 USB cable. 2. #24/25 MAIN PK-ASSY(28 or 48) 3. the host computer
78	8006XXXX 8007XXXX	Invalid parameter or wrong scanner configuration.	Review parameter.
79	901219XX	Scanner has an internal error. (DMA transfer error)	Replace following parts. 1. #24/25 MAIN PK-ASSY(28 or 48)
	901255XX	Scanner has an internal error. (Program error)	
	901276XX	Scanner has an internal error. (Feed control error)	Replace following parts. 1. #24/25 MAIN PK-ASSY(28 or 48)
80	9061XXXX 9062XXXX 9063XXXX 9064XXXX 9065XXXX 9066XXXX 90FFXXXX	Scanner has an error. (Initial diagnostic error)	Replace following parts. 1. #24/25 MAIN PK-ASSY(28 or 48)
81	90E92XXX 90EA2XXX 90EB2XXX 90EC2XXX	USB driver error.	Suspend process, power cycle scanner and PC to resume process. If not recovered, replace following parts. 1. #97 USB cable. 2. #24/25 MAIN PK-ASSY(28 or 48) 3. #23 DRV PK-ASSY 4. #51 DC Fan 5. #52 DC Fan 6. #21 FRU-ASSY(RX8OCR)　PS-ASSY

Table Scanner Error Code (11/11)

No.	Error code	Cause	Recovery
82	90E0XXXX 90E9XXXX 90EAXXXX 90EBXXXX 90ECXXXX 95E0XXXX 99E0XXXX 99E9XXXX 99EAXXXX 99EBXXXX 99ECXXXX 9AE0XXXX 9AE9XXXX 9AEAXXXX 9AEBXXXX 9AECXXXX 9BE0XXXX 9CE0XXXX	Control program error.	Suspend process, power cycle scanner and PC to resume process. If not recovered, get dump information (refer to 1.4) and contact Hitachi.

2.2 Error Code (Host)

Table 2.2 Error Code (Host) (1/29)

Code	Detail	Cause	Recovery
23G00101	-	A printable check error has occurred.	Check Numbering setting. Refer to Appendix of this manual: A-5 Notes on Numbering. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
23G00200	-	An anti-double-scan printing check 1 error has occurred. (Undetectable)	
23G00201	-	An anti-double-scan printing check 1 error has occurred. (Printing)	
23G00202	-	An anti-double-scan printing check 1 error has occurred. (No printing)	
23G00203	-	An anti-double-scan printing check 1 error has occurred. (Printing, Uncertain)	
23G00204		An anti-double-scan printing check 1 error has occurred. (No printing, Uncertain)	
23G00210	-	An anti-double-scan printing check 2 error has occurred. (Undetectable)	
23G00211	-	An anti-double-scan printing check 2 error has occurred. (Printing)	
23G00212	-	An anti-double-scan printing check 2 error has occurred. (No printing)	
23G00213	-	An anti-double-scan printing check 2 error has occurred. (Printing, Uncertain)	
23G00214		An anti-double-scan printing check 2 error has occurred. (No printing, Uncertain)	

Table 2.2 Error Code (Host) (2/29)

Code	Detail	Cause	Recovery
33G00101	-	Length check error has occurred. (Long)	Check sheet. Or confirm sheet Refer to Appendix of this manual: A-4 Notes for sheet check. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
33G00102	-	Length check error has occurred. (Short)	
33G00111	-	Mixed length check error has occurred. (Long)	
33G00112	-	Mixed length check error has occurred. (Short)	
33G00201	-	Width check error has occurred. (Long)	
33G00202	-	Width check error has occurred. (Short)	
33G00211	-	Mixed width check error has occurred. (Long)	
33G00212	-	Mixed width check error has occurred. (Short)	
33G00401	-	Skew error has occurred. (Large left skew angle)	
33G00402	-	Skew error has occurred. (Large right skew angle)	
33G00901	-	A four-point-coordinates detection error has occurred. (Four-point rectangular detection)	Check sheet. Refer to Appendix of this manual: A-2 Notes on 4-point coordinates recognition errors. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
33G00902		Four-point rectangular detection(color))	
33G00B01	-	A four-point-coordinates recognition warning error has occurred. (Soiled at the reference side)	
33G00B02	-	A four-point-coordinates recognition warning error has occurred. (Uncertain at the top or bottom)	
33G00B03	-	A four-point-coordinates recognition warning error has occurred. (Uncertain at the left end)	
33G00B04	-	A four-point-coordinates recognition warning error has occurred. (Uncertain at the right end)	

Table 2.2 Error Code (Host) (3/29)

Code	Detail	Cause	Recovery
33G00B05	-	A four-point-coordinates recognition warning error has occurred. (Width error at the top)	Check sheet. Refer to Appendix of this manual: A-2 Notes on 4-point coordinates recognition errors. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
33G00B11	-	A four-point-coordinates recognition warning error has occurred. (Error of straight advancement at top or bottom)	
33G00B12	-	A four-point-coordinates recognition warning error has occurred. (Top or bottom shape abnormality error)	
33G00B13	-	A four-point-coordinates recognition warning error has occurred. (Left end straight advancement error)	
33G00B14	-	A four-point-coordinates recognition warning error has occurred. (Right end straight advancement error)	
33G00B15	-	A four-point-coordinates recognition warning error has occurred. (Less than minimum width)	
33G00B16	-	A four-point-coordinates recognition warning error has occurred. (Less than minimum length)	Check sheet. Refer to Appendix of this manual: A-2 Notes on 4-point coordinates recognition errors. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
33G00B17	-	A four-point-coordinates recognition warning error has occurred. (Skew error)	
33G00B18	-	A four-point-coordinates recognition warning error has occurred. (Image lack error)	
33G00B19	-	A four-point-coordinates recognition warning error has occurred. (Error with great top and bottom width difference)	
33G00B1A	-	A four-point-coordinates recognition warning error has occurred. (Error with great left and right length difference)	
33G00BFF	-	A four-point-coordinates recognition warning error has occurred. (Other)	

Table 2.2 Error Code (Host) (4/29)

Code	Detail	Cause	Recovery
33G00C02		A four-point-coordinates recognition warning error has occurred. (Uncertain at the top or bottom(color)	Check sheet. Refer to Appendix of this manual: A-2 Notes on 4-point coordinates recognition errors. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
33G00C03		A four-point-coordinates recognition warning error has occurred. (Uncertain at the left end)	
33G00C04		A four-point-coordinates recognition warning error has occurred. (Uncertain at the right end(color))	
33G00C05		A four-point-coordinates recognition warning error has occurred. (Width error at the top(color))	
33G00C18		A four-point-coordinates recognition warning error has occurred. (Image lack error(color))	
33G00CFD		A four-point-coordinates recognition warning error has occurred. (loaded modules fails(color))	
33G00CFE		A four-point-coordinates recognition warning error has occurred. (Read the function's address fails(color))	
33G00CFF		A four-point-coordinates recognition warning error has occurred. (Other(color))	

Table 2.2 Error Code (Host) (5/29)

Code	Detail	Cause	Recovery
80G0A101	-	Sheet information table check error has occurred.	-
	00040001	Pre-Feeding specification error	Review feeding setting. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	00040002	Hopper empty control specification error	
	00040003	Hopper position specification error	
	00040004	Scanning speed specification error	
	00040005	Automatic scanning mode specification error	
	00040006	Inter-sheet gap specification error	
	00040007	Picking roller specification error	
	00040008	Separating force specification error	
	00040009	Skew angle correction control specification error	
	0004000A	Non-sequence scanning control specification error	
	0004000B	Double-error conversion specification error	
	00040101	Ejection check specification error	
	00040102	Normal sheet ejection stacker specification error	
	00040103	Abnormal sheet ejection stacker specification error	
	00040104	Normal sheet ejection group specification error	
	00040105	Abnormal sheet ejection group specification error	
	00040106	Intra-group sheet ejection sequence specification error	
	00040107	Group identifier specification error	
	00040108	Stacker name specification error	
	0004010A	Stacker count specification error	
	0004010B	Stacker full control specification error	

Table 2.2 Error Code (Host) (6/29)

Code	Detail	Cause	Recovery
+80G0A101	-	Sheet information table check error has occurred.	
	00040201	Printing place specification error	Check numbering setting again Refer to Appendix of this manual: A-5 Notes on Numbering. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	00040202	Printing orientation specification error	
	00040203	Printing position specification's specification error	
	00040204	Printing position specification error	
	00040205	Printing character count specification error	
	00040207	Anti-double-scan printing specification error	
	00040211	Printable check specification error	
	00040212	Printable check specification's specification error	
	00040221	Anti-double-scan printing check 1 specification error	
	00040222	Check method 1 specification error	
	00040223	Detection method 1 specification error	
	00040224	Check place 1 specification error	
	00040225	Vertical start position 1 specification error	
	00040226	Vertical end position 1 specification error	
	00040227	Horizontal start position 1 specification error	
	00040228	Horizontal end position 1 specification error	
	00040229	Anti-double-scan printing check image 1 specification error	
	00040231	Anti-double-scan printing check 2 specification error	
	00040232	Check method 2 specification error	
	00040233	Detection method 2 specification error	
	00040234	Check place 2 specification error	
	00040235	Vertical start position 2 specification error	
	00040236	Vertical end position 2 specification error	
	00040237	Horizontal start position 2 specification error	
	00040238	Horizontal end position 2 specification error	
	00040239	Anti-double-scan printing check image 2 specification error	

Table 2.2 Error Code (Host) (7/29)

Code	Detail	Cause	Recovery
80G0A101	-	Sheet information table check error has occurred.	-
	00040241	Printing character control specification error	Check numbering setting again Refer to Appendix of this manual: A-5 Notes on Numbering. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	00040242	Printing character number specification error	
	00040243	Printing character size specification error	
	00040244	Printing character thickness specification error	
	00040301	Sheet length specification error	Check feed setting again Refer to Appendix of this manual: A-4 Notes for sheet check. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	00040302	Sheet width specification error	
	00040303	Sheet thickness specification error	
	00040304	Sheet check image specification's specification error	
	00040305	Sheet length check specification error	
	00040306	Mixed sheet length specification error	
	00040307	Minimum sheet length check omission specification error	
	00040308	Sheet length specification error (Maximum value)	
	00040309	Sheet length specification error (Minimum value)	
	0004030A	Sheet width check specification error	
	0004030B	Mixed sheet width specification error	
	0004030C	Minimum sheet width check omission specification error	
	0004030D	Sheet width specification error (Maximum value)	
	0004030E	Sheet width specification error (Minimum value)	
	0004030F	Sheet thickness check specification error	

Table 2.2 Error Code (Host) (8/29)

Code	Detail	Cause	Recovery
80G0A101	-	Sheet information table check error has occurred.	-
	00040310	Sheet thickness check method specification error	Check Sheet setting again. Refer to Appendix of this manual: A-4 Notes for sheet check. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	00040311	Mixed sheet thickness specification error	
	00040312	Minimum sheet thickness check omission specification error	
	00040313	Sheet thickness specification error (Standard value)	
	00040314	Sheet thickness specification error (Step Height value)	
	00040315	Sheet thickness specification error (Ultrasonic multi-feed detection length)	
	00040316	Sheet skew check specification error	
	00040317	Sheet skew angle specification error (Left limit angle)	
	00040318	Sheet skew angle specification error (Right limit angle)	
	00040319	Sheet length check-cancellation specification error	
	0004031A	Sheet width check-cancellation specification error	
	0004031B	Sheet thickness check-cancellation specification error	
	0004031C	Four-point rectangular error bypass specification error	
	0004031E	Four-point detection error bypass specification error	
	0004031F	Recognition check flag specification error	

Table 2.2 Error Code (Host) (9/29)

Code	Detail	Cause	Recovery
80G0A101	-	Sheet information table check error has occurred.	-
	00040320	Sheet length device check specification error	Check sheet setting again Refer to Appendix of this manual: A-4 Notes for sheet check. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	00040321	Mixed sheet length specification error	
	00040322	Minimum sheet length check omission specification error	
	00040323	Maximum mixed sheet length specification error	
	00040324	Sheet length check moderation specification error	
	00040325	Sheet length device check cancellation specification error	
	00040326	Window width specification error	
	00040327	Sheet thickness specification error (Mixed thin sheet)	
	00040328	Window length specification error (Maximum value)	
	00040329	Window width specification error (Maximum value)	
	00040330	Four-point detection used Color Flg specification error	

Table 2.2 Error Code (Host) (10/29)

Code	Detail	Cause	Recovery
80G0A101	-	Sheet information table check error has occurred.	-
	00040401	Scanning image side count specification error (Front side)	Check image setting again If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	00040402	Scanning image side count specification error (Back side)	
	00040403	Scanning image kind specification error	
	00040404	Halftone type specification error	
	00040405	Input resolution specification error (X-axis)	
	00040406	Input resolution specification error (Y-axis)	
	00040407	Light-source color specification error	
	00040408	Special color table number specification error	
	00040409	Black frame specification error	
	0004040A	Highlighter/correction fluid specification error	
	0004040B	Density specification's specification error	
	0004040C	Density specification error	
	0004040D	Black&White image detailed specification's specification error	
	0004040E	Expanded density specification error	
	0004040F	Mask slice specification error	
	00040410	Smoothing specification error	
	00040411	Multi-value image quality detail specification's specification error	
	00040412	Information setting method specification error	

Table 2.2 Error Code (Host) (11/29)

Code	Detail	Cause	Recovery
80G0A101	-	Sheet information table check error has occurred.	-
	00040413	Highlight specification error (RGB)	Check image setting again If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	00040414	Shadow specification error (RGB)	
	00040415	Gamma specification error (RGB)	
	00040416	Coloring specification error (RGB)	
	00040417	Highlight specification error (Red)	
	00040418	Shadow specification error (Red)	
	00040419	Gamma specification error (Red)	
	0004041A	Highlight specification error (Green)	
	0004041B	Shadow specification error (Green)	
	0004041C	Gamma specification error (Green)	
	0004041D	Highlight specification error (Blue)	
	0004041E	Shadow specification error (Blue)	
	0004041F	Gamma specification error (Blue)	
	00040420	Scanning image transfer mode specification error	
	00040421	Scanning image length specification error	
	00040422	Scanning image width specification error	
	00040423	Rectangle position coordinate specification error (X-axis)	
	00040424	Rectangle position coordinate specification error (Y-axis)	
	00040425	Scanning-only image specification error	
	00040426	Highlight specification error(Black&White)	
	00040427	Shadow specification error (Black&White)	
	00040428	Gamma specification error (Black&White)	
	00040429	Highlight specification error (RGB Recommended value)	
	0004042A	Shadow specification error (RGB Recommended value)	
	0004042B	Gamma specification error (RGB Recommended value)	
	0004042C	Coloring specification error(RGB Recommended value)	

Table 2.2 Error Code (Host) (12/29)

Code	Detail	Cause	Recovery
80G0A101	-	Sheet information table check error has occurred.	-
	00040501	Image editing method specification error	Check image setting again If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	00040502	Skew correction specification error	
	00040503	Image cropping specification error	
	00040504	Image rotation specification error	
	00040505	Image movement specification error	
	00040506	Out-of-image-area color specification error	
	00040507	Frame drawing specification's specification error	
	00040508	Frame drawing width specification error	
	00040509	Out-of-image-area color specification error	
	00040510	Reference image specification's specification error	
	00040511	Skew correction-omitted angle specification error	
	00040512	Gradation reverse flag specification error	
	00040513	Skew correction interpolation mode specification error	

Table 2.2 Error Code (Host) (13/29)

Code	Detail	Cause	Recovery
80G0A101	-	Sheet information table check error has occurred.	-
	00040601	Numbering print content specification error (Front side)	Check numbering setting again Refer to Appendix of this manual: A-5 Notes on Numbering. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	00040602	Numbering print content specification error (Back side)	
	00040611	Numbering print content specification error (NULL after ' to ' specification)	
	00040612	Numbering print content specification error (NULL after '[' specification)	
	00040613	Numbering print content specification error ('[' after '[' specification)	
	00040614	Numbering print content specification error (No ']' after '[' specification)	
	00040615	Numbering print content specification error (']' before '[' specification)	
	00040621	Numbering print content specification error (yy: Double specification)	
	00040622	Numbering print content specification error (mm: Double specification)	
	00040623	Numbering print content specification error (dd: Double specification)	
	00040624	Numbering print content specification error (yy: digit shortage)	
	00040625	Numbering print content specification error (mm: digit shortage)	
	00040626	Numbering print content specification error (dd: digit shortage)	
	00040627	Numbering print content specification error (yy: Excess digits)	
	00040628	Numbering print content specification error (mm: Excess digits)	
	00040629	Numbering print content specification error (dd: Excess digits)	

Table 2.2 Error Code (Host) (14/29)

Code	Detail	Cause	Recovery
80G0A101	-	Sheet information table check error has occurred.	-
	00040631	Numbering print content specification error (#: Double specification)	Check numbering setting again Refer to Appendix of this manual: A-5 Notes on Numbering. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	00040632	Numbering print content specification error (#: Excess digits)	
	00040641	Numbering print content specification error (*: Double specification)	
	00040642	Numbering print content specification error (*: Excess digits)	
	00040651	Numbering print content specification error (¥: Double specification)	
	00040652	Numbering print content specification error (¥: Excess digits)	
	00040661	Numbering print content specification error ($: Double specification)	
	00040662	Numbering print content specification error ($: Excess digits)	
	00040671	Numbering print content specification error (&: Double specification)	
	00040672	Numbering print content specification error (&: Excess digits)	
	00040681	Numbering print content specification error (%: Double specification)	
	00040682	Numbering print content specification error (%: Excess digits)	
	00040691	Numbering print content specification error (^: Double specification)	
	00040692	Numbering print content specification error (^: Excess digits)	
	000406F1	Numbering print content specification error (None)	
	000406F2	Numbering print content specification error (Buffer overflow)	

Table 2.2 Error Code (Host) (15/29)

Code	Detail	Cause	Recovery
80G0A101	-	Sheet information table check error has occurred.	-
	00040701	Decimal point specification's specification error	Check image setting again If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	00040801	Barcode recognition specification error	Check recognition setting again Refer to Appendix of this manual: A-6 Notes on PatchCode If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	00040802	Barcode recognition count specification error	
	00040803	Barcode recognition image specification's specification error	
	00040804	Barcode type specification error	
	00040805	Barcode recognition orientation specification error	
	00040810	A non-PP installation error has occurred.(Code recognition of two dimensions)	
	00040850	Patchcode recognition specification error	
	00040851	Patchcode recognition image specification's specification error	
	00040852	Patchcode recognition orientation specification error	
	00040853	Order and priority for Patchcode searching specification error	
	00040901	Another image using flag specification error	Check image setting again If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	00040902	Another image using image specification error	

Table 2.2 Error Code (Host) (16/29)

Code	Detail	Cause	Recovery
80G0A201	-	Sheet information combination check error has occurred.	-
	00041001	Resolution combination check error	Check image setting again If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	00041002	Light-source color combination check error	
	00041003	Anti-double-scan printing combination error	
	00041004	Paper thickness check combination error	
	00041005	Scanning image side count combination error	
	00041006	Printing place combination check error	
	00041008	Light-source color combination check error(Custom Specification)	
	00041101	Ejection group combination error	Check feed setting again If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	00041201	Group identifier combination error	
	00041203	Stacker name combination error	

Table 2.2 Error Code (Host) (17/29)

Code	Detail	Cause	Recovery
80G0A201	-	Sheet information combination check error has occurred.	-
	00041301	Printing position combination check error	Check numbering setting again Refer to Appendix of this manual: A-5 Notes on Numbering. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	00041302	Printing character count combination check error	
	00041303	Printing position specification combination check error	
	00041304	Printing character control combination check error	
	00041305	Numbering feed speed anti-double-scan printing combination error	
	00041306	Numbering feed speed printing location combination error	
	00041307	Numbering feed speed paper thickness check combination error	
	00041308	Numbering feed speed mixed paper thickness combination error	
	00041311	Printable check image specification combination error	
	00041312	Printable check combination error	
	00041321	Anti-double-scan printing check 1 area specification error	
	00041322	Anti-double-scan printing check 1 image specification combination error	
	00041331	Anti-double-scan printing check 2 area specification error	
	00041332	Anti-double-scan printing check 2 image specification combination error	

Table 2.2 Error Code (Host) (18/29)

Code	Detail	Cause	Recovery
80G0A201	-	Sheet information combination check error has occurred.	-
	00041401	Paper check image specification combination error	Check sheet check setting again Refer to Appendix of this manual: A-4 Notes for sheet check. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	00041402	Minimum length bypass-possible combination error	
	00041403	Mixed paper thickness combination error	
	00041404	Double check synchronization combination error	
	00041405	Mixed paper size combination error (Paper length)	
	00041406	Mixed paper size combination error (Paper width)	
	00041407	Double-check combination error (Paper length)	
	00041408	Double-check combination error (Paper width)	
	00041409	Double-check combination error (Paper thickness)	
	0004140A	Numbering-run double-check execution confirmation check error	
	0004140B	Double-detection length validity check error	
	0004140 C	Method-based paper thickness check error	
	0004140 D	Minimum thickness bypass-possible combination error	
	0004140E	Double-check (Paper length) combination error (Device check)	

Table 2.2 Error Code (Host) (19/29)

Code	Detail	Cause	Recovery
80G0A201	-	Sheet information combination check error has occurred.	-
	00041501	Image side count error	Check image setting again If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	00041502	Scanning image kind side count combination error	
	00041503	Halftone image combination error	
	00041504	Color image combination error	
	00041505	Resolution matching error	
	00041506	Resolution scanning image kind matching error	
	00041507	Optional resolution information matching error	
	00041508	Resolution HT-4155 matching error	
	00041509	Resolution HT-4155 scanning speed matching error	
	0004150A	Special color table number combination error	
	0004150B	Density specification combination error	
	0004150 C	Black&White image detailed specification combination error	
	0004150 D	Multi-value image detailed specification combination error	
	0004150E	Image-only image use error	

Table 2.2 Error Code (Host) (20/29)

Code	Detail	Cause	Recovery
80G0A201	-	Sheet information combination check error has occurred.	-
	0004150F	Anti-double-scan printing check matching error	Check numbering setting again Refer to Appendix of this manual: A-5 Notes on Numbering. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	00041511	Resolution and printing place combination error	
	00041512	Resolution and numbering feed speed combination error	
	00041513	Resolution and numbering feed speed level 1 combination error	
	00041514	Resolution and numbering feed speed level 2 combination error	
	00041515	Resolution and numbering feed speed level 3 combination error	
	00041516	Resolution and numbering feed speed level 4 combination error	
	00041517	Light-source color and Scanning image kind matching error	Check image setting again If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	00041518	Black&White image detailed specification2 combination error	
	00041601	Image paper cropping combination error	
	00041602	Image recognition cropping combination error	
	00041603	Skew correction combination error	
	00041604	Standard image specification combination error	
	00041701	Printing character count combination check error	Check numbering setting again Refer to Appendix of this manual: A-5 Notes on Numbering. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	00041702	Printing character combination check error(4Space)	
	00041703	1 Place and 2 Place Printing character count combination check error	

Table 2.2 Error Code (Host) (21/29)

Code	Detail	Cause	Recovery
80G0A201	-	Sheet information combination check error has occurred.	-
	00041801	Barcode recognition image specification combination error	Check image setting again If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	00041802	Barcode recognition image type combination error	
	00041803	Barcode recognition count combination error	
	00041901	Window width paper size combination error (Width)	Check sheet setting again. Refer to Appendix of this manual: A-4 Notes for sheet check. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	00041A01	Non-sequence scanning ejection information specification error	Check feed setting again.
	00041B01	Check image combination error (Standard image)	Check image setting again If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	00041B02	Check image combination error (Form check image)	
	00041B03	Check image combination error (Barcode recognition image)	
	00041B04	Check image combination error (Printable check image)	
	00041B05	Check image combination error (Anti-double-scan printing check 1 image)	
	00041B06	Check image combination error (Anti-double-scan printing check 2 image)	
	00041B11	Another image using image combination error	
	00041B12	Read only image combination error	
	00041B13	Read only image reference ahead combination error	
	00041B14	Thin paper specification combination error	
	00041B15	Recognition check flag combination error	
	00041B16	Recognition check flag and Four-point detection used Color Flg combination error	
	00041C01	Four-point detection used Color Flg matching error	
	00041F01	Patchcode recognition image specification combination error	Check recognition setting again. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	00041F02	Patchcode recognition image type combination error	
	00041F03	Check image combination error(Patchcode recognition image)	

Table 2.2 Error Code (Host) (22/29)

Code	Detail	Cause	Recovery
90G00001	-	A version error has occurred. (Device control)	Check software version. Get dump information (refer to 1.4) and contact Hitachi.
90G00002	-	A version error has occurred. (Color image editing)	
90G00003	-	A version error has occurred. (Feature information error)	
90G00101	-	A sequence error has occurred.	
90G00102	-	A sequence error has occurred. (Feature information search)	

Table 2.2 Error Code (Host) (23/29)

Code	Detail	Cause	Recovery
90G00201	-	An argument check error has occurred.	-
	01050001	Specification image type error	Check image setting again If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	01050002	Four-point-coordinates acquisition flag error	
	01050004	Scanning mode flag check error	
	01070001	Specification image type error	Check sheet check setting again Refer to Appendix of this manual: A-4 Notes for sheet check. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	01070002	Sheet double-check execution flag error	
	01070003	Sheet check execution flag error (Length)	
	01070004	Mixed sheet length error	
	01070005	Sheet check execution flag error (Minimum length)	
	01070006	Sheet check execution flag error (Width)	
	01070007	Mixed sheet width error	
	01070008	Sheet check execution flag error (Minimum width)	
	01070009	Sheet check execution flag error (Skew)	
	0107000A	Paper skew angle error (Left limit angle)	
	0107000B	Paper skew angle error (Right limit angle)	
	0107000C	Scanning mode flag check error	
	01100001	Device connection check flag error	Check connection of device. If not recovered, get dump information (refer to 1.4) and contact Hitachi.

Table 2.2 Error Code (Host) (24/29)

Code	Detail	Cause	Recovery
90G00201	-	An argument check error has occurred.	-
	01120001	Specification image kind error	Check image setting again If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	01120002	Skew correction flag error	
	01120003	Image cropping flag error	
	01120004	Rotation flag error	
	01120005	Image movement flag error	
	01120006	Out-of-image-area painting flag error	
	01120007	Black Drawing flag error (Top side)	
	01120008	Black Drawing flag error (Bottom side)	
	01120009	Black Drawing flag error (Left side)	
	0112000A	Black Drawing execution flag error (Right side)	
	0112000B	Image movement specification error	
	0112000C	Out-of-image-area color specification error	
	0112000D	Skew correction interpolation mode specification error	
	0112000E	Bitmap file header acquisition flag error	
	0112000F	Scanning mode flag check error	
	01140001	Error bypass information source error	
	01140002	Printable check error	Check numbering setting again If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	01150001	Specification image type error	Check image setting again If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	01150002	Printable check error	Check numbering setting again If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	01180001	Feature information flag error	Get dump information (refer to 1.4) and contact Hitachi.
	01180002	Feature information name error	
	011B0001	Feature information name error	
	011C0001	Feature information name error	
	011C0002	Feature information count error	

Table 2.2 Error Code (Host) (25/29)

Code	Detail	Cause	Recovery
90G00301	-	A file open error has occurred. (Read access)	Suspend the process and power cycle to continue. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
90G00302	-	A file read error has occurred.	
	01180011	Read error (Header reading)	
	01180012	Read error (Header inconsistency)	
	01180013	Read error (Table reading)	
	01180014	Read error (Next table seeking)	
	01180015	Read error (Feature reading)	
	01190011	Read error (Header reading)	
	01190012	Read error (Header inconsistency)	
	01190013	Read error (Table reading)	
	01190014	Read error (Next table seeking)	
	011B0011	Read error (Header reading)	
	011B0012	Read error (Header inconsistency)	
	011B0013	Read error (Next table seeking)	
	011B0014	Read error (Feature reading)	
	011C0011	Read error (Header reading)	
	011C0012	Read error (Header inconsistency)	
	011C0013	Read error (Next table seeking)	
	011C0014	Read error (Feature reading)	

Table 2.2 Error Code (Host) (26/29)

Code	Detail	Cause	Recovery
90G00303	-	A file write error has occurred.	-
	011B0021	Write error (Feature information file)	Suspend the process and power cycle to continue. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	011C0021	Write error (Feature information file)	
90G00304		A file access error has occurred.	-
	011B0031	File size acquisition error	Suspend the process and power cycle to continue. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	011C0031	File size acquisition error	
90G00305	-	A file open error has occurred. (Write access)	
90G00306	-	A file open error has occurred. (Read-write access)	
90G00401	-	An unconnected supported-device error has occurred.	
90G00402	-	An out-of-support target error has occurred. (Feature)	
90G00501	-	A size information invalid error has occurred.	
90G00601	-	An unavailable data error has occurred. (Feature)	
90G00A01	-	A four-point coordinate acquisition error has occurred.	Check sheet. Refer to Appendix of this manual: A-2 Notes on 4-point coordinates recognition errors.
90G00A02		A four-point-coordinates acquisition error has occurred.(color)	
90G00B01	-	A numbering check error has occurred.	Check numbering setting again
90G00C01	-	A barcode recognition error has occurred. (Memory error)	Check Recognition setting again Suspend the process and power cycle to continue. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
90G00C02	-	A barcode recognition error has occurred. (Argument error)	
90G00C03		A barcode recognition error has occurred. (loaded modules fails)	
90G00D01		A patchcode recognition error has occurred. (Memory error)	
90G00D02		A patchcode recognition error has occurred. (Argument error)	
90G00D03		A patchcode recognition error has occurred. (recognition error)	
90G00D04		A patchcode recognition error has occurred. (Other errors)	
90G0A101	-	A sequence error has occurred.	Check process sequence of application.

Table 2.2 Error Code (Host) (27/29)

Code	Detail	Cause	Recovery
90G0A201	-	An argument check error has occurred.	-
	00010001	Device connection check flag error	Check setting up If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	00020001	Specified-device number error	
	00020002	Feature information flag error	Suspend the process and power cycle to continue. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	00020003	Feature information name error	
	00030001	Paper information table pointer error	
	00030002	Soft option check existence flag error	
	00060001	Ejection control flag error	
	00060002	Four-point-coordinates information acquisition flag error	
	00060003	Four-point-coordinates information table pointer error	
	00060004	Bitmap file header acquisition flag error	
	00061001	Executable function flag error	
	00061002	Ejection control flag error	
	00061003	Four-point-coordinates information acquisition flag error	
	00061004	Four-point-coordinates information table pointer error	
	00061005	Barcode Result information table pointer error	

Table 2.2 Error Code (Host) (28/29)

Code	Detail	Cause	Recovery
90G0A201	-	An argument check error has occurred.	-
	00061006	Bitmap file header acquisition flag error	Suspend the process and power cycle to continue. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
	00061101	Ejection printing place specification error (Front side)	
	00061201	Ejection printing place specification error (Back side)	
	00062001	Scan image acquisition image specification error (Out-of-range specification)	
	00062002	Scan image acquisition image specification error (Multi-value image definition)	
	00062003	Scan image acquisition image specification error (No image definition)	
	00062004	Scan image acquisition image specification error (No image acquisition)	
	00070001	Ejection instruction flag error	
	000C0001	Using device number error (Feature information search)	
	000E0001	Using device number error (Feature information acquisition)	
	000E0002	Feature information name number error (Feature information acquisition)	
	000F0001	Using device number error (Feature information deleting)	
	000F0002	Feature information name number error (Feature information deletion)	

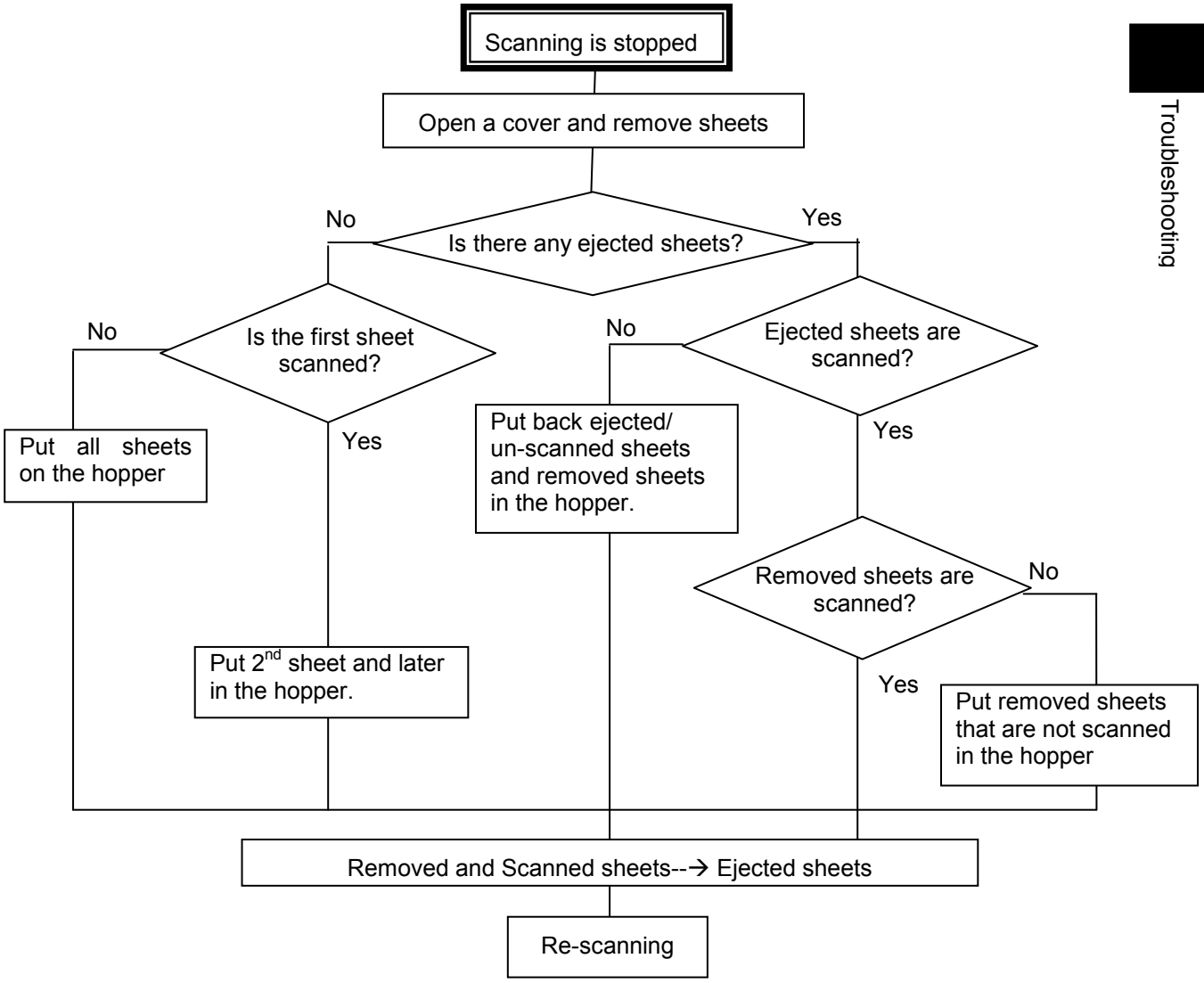
Table 2.2 Error Code (Host) (29/29)

Code	Detail	Cause	Recovery
90G0A401	-	An unconnected device error has occurred.	Check setting up If not recovered, get dump information (refer to 1.4) and contact Hitachi.
90G0A501	-	A non-PP installation error has occurred.	
99G00101	-	A memory allocation error occurred.	Check the usage status of PC memory)
99G00102	-	A memory shortage error has occurred.	
99G00201	-	A DLL load error has occurred.	Suspend the process and power cycle to continue. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
99G00301	-	A function address acquisition error has occurred.	
99G0A101	-	A memory allocation error occurred.	Check the usage status of PC memory)
99G0A102	-	An unavailable memory data error has occurred.	Suspend the process and power cycle to continue. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
99G0A103	-	A thread generation error has occurred.	
9AG00101	-	An INI file acquisition error has occurred.	
9BG00101	-	A registry acquisition error has occurred.	
9CG00101	-	A color image editing start error has occurred.	Suspend the process and power cycle to continue. If not recovered, get dump information (refer to 1.4) and contact Hitachi.
9CG00201	-	A color image editing export error has occurred.	
9CG00301	-	A color image editing processing error has occurred.	
9CG00401	-	A color image editing end error has occurred.	

A-1 How to Recover Error

Sometimes continuous scanning will be suspended due to paper jam or other reasons. In that case put sheets that have not been scanned on the hopper and continue scanning process. (There are some software/ hardware errors that cannot be recovered.)

A sample of error recovery is shown below.

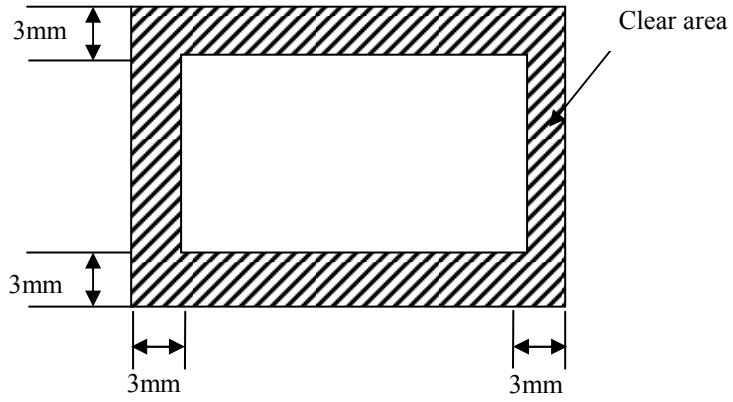


This is a sample of error recovery flow and it should be modified for your business operation.

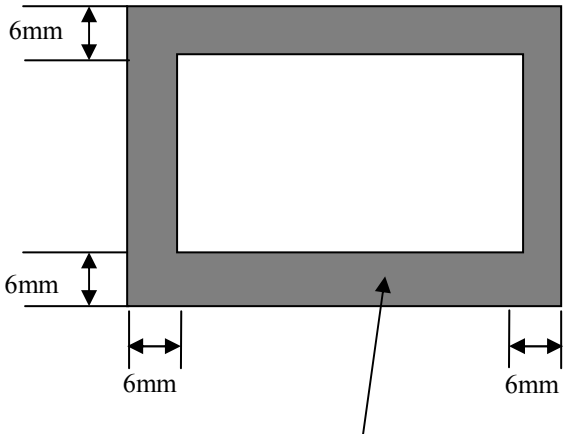
A-2 Notes on Four-point detection

This TWAIN driver detect four points from the scan image.
The area to distinguish the background and the sheet because the background becomes black in our scanner is necessary.

To detect four points of the sheet, this TWAIN driver usually detects it from the black and white image.(If it is a multilevel image, it makes it to binary.)
Therefore, the clear area (area that becomes white) is 3mm or more necessary for surroundings of the sheet.
When the clear area can be secured around the sheet, this method is recommended.



You can select "Conduct the color Four-point detection" when there is a multilevel image.
It detects four points from the difference of brightness with the background color.
Therefore, four points can be detected even if there is a color in the clear area.
However, when a lot of colors near the black are included in the area where the difference of brightness is measured, four points are not correctly detected.
The area where the difference of brightness can be measured is 6mm or more necessary.



The area where the difference of brightness

The mean value of Dc, Dm, and Dy must not be and there must not be large color from 0.93.

The difference of brightness with the background must be and there must be 30 or more.(RBG)

The radiance value must be and there must be 50 or more.(RBG)

A-3 Notes on Four-Point-Coordinates Recognition Errors

Four-point-Coordinates Recognition errors may occur depending on the status of images having been scanned. These errors occur when the four corners of a sheet failed to be detected.
These errors are usually caused from the following problems.

(1) Error resulting from soil at the reference side
- This error occurs when white vertical noise is made due to dust such as paper dust.

Open the opening/closing part at the front and check that there is no dirt on the glass of the scanning unit. Cleaning requires you to use a piece of gauze or other cloth that is as new as possible. Wiping the glass with a soiled cloth may increase the error detection.

(2) Imperfect image error
- This error occurs when a large skew causes a part of the sheet to get outside the image area and makes a part of the image look imperfect.

Check that the sheet is not skewed when it is being sent.

(3) Rectangular detection error
This error occurs when detected 4 points do not make a rectangle with them.

Check that the sheet.

(4) Other errors (such as a tip error and a left end error)
- These errors occur when the entire image is completely black.
- These errors occur when the image is spotted with white noises.
- These errors occur when the image contains an extremely small white area.

Check the sheet.
You may fail to scan a sheet not conforming to the specifications.
For the specifications of the sheet, refer to the “OCR Friend Operation Guide”.

A-4 Note for sheet check

There might be cases that dual feeding error and size invalid error occurs however the sheet checking is enabled. Check images comparing the originals and scanned data.

There might be cases that sheet check does not work correctly under some conditions below.

Sheets are adhere and feed.

Dark sheet or paper with a dark border is fed.

Multiple feeding occurs out of detection area.

The four-point detection does not work correctly due to black border.

Sheet is not placed aligned at left edge.

Thin sheet is fed.

Papers with different friction coefficient are mixed.

Specified check during the sheet check.

The sheet check is not enabled.

When the patch cord is printed in the vertical direction.

A-5 Notes on Numbering

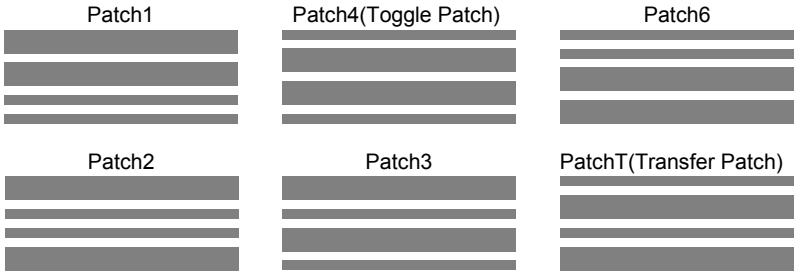
If a numbering error occurred, check the image and numbering on the last ejected sheet and all the sheets ejected by recovery.
If you do not check the ejection, the numbering may not be on the sheets of several pages before the last sheet.

There may be cases that numbering is not printed properly.
Lack of ink
Fed in skew
Print on the similar color area.
Printable check error
Perform sheet scanning and ejection separately
Print on the second sheet of dual feeding.

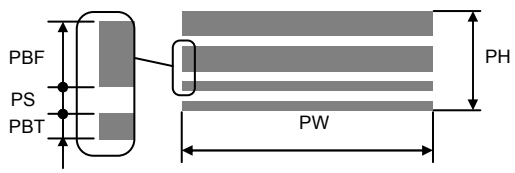
A-6 Notes on PatchCode

The specification of the patch cord that can be recognized by this TWAIN driver becomes it as follows.

item		specification
Patch type that can be recognized		1、2、3、4、6、T
PatchCode Size	The wide bars(PBF)	5.08mm±0.25mm(0.20±0.01inches)
	The narrow bars(PBT)	2.03mm±0.25mm(0.08±0.01inches)
	Spaces (PS)	2.03mm±0.25mm(0.08±0.01inches)
	The maximum width of the patch code (PH)	20.32mm±0.25mm(0.80±0.01inches)
	The minimum overall length of the patch bars (PW)	50.8mm or more (2.0 inches or more)
Clear area	space between the patch code and any other printed information	6.35mm or more of patch cord in surroundings
Patchcode detection condition	Effective range of vertical direction (When the direction of reading is the above)	6.35mm to 95.25mm(0.25～3.75inches) (From the leading edge of the document)
	Effective range of horizontal direction (When the direction of reading is the above)	Patch codes must appear at least 6.35mm from the right, left, and leading edges of the document.
	Patch Positioning	Patches should appear with the bars parallel to the leading edge of the document (fed into the transport first).
Others		Conform to Kodak specification（A-61599）

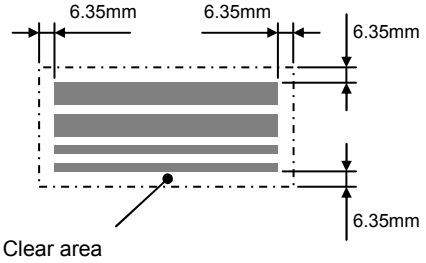


PatchCode Size



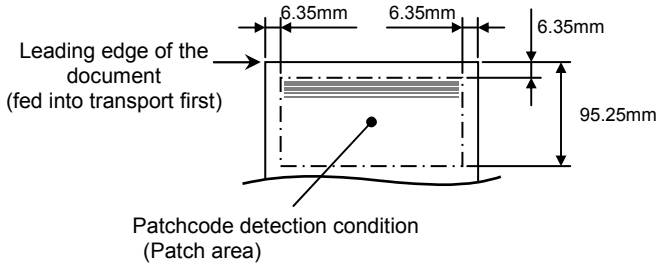
PBF = 5.08mm±0.25mm
PBT = 2.03mm±0.25mm
PS = 2.03mm±0.25mm
PH = 20.32mm±0.25mm
PW = 50.8mm or more

Clear area

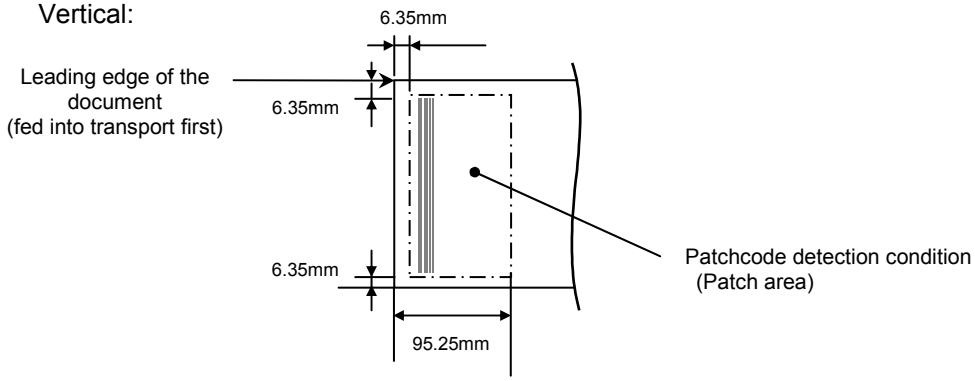


Patchcode Recognition Orientation

Horizontal:



Vertical:



Horizontal – Vertical:

Horizontal direction is recognized in the beginning.
Next, the vertical direction is recognized.

Vertical - Horizontal:

The vertical direction is recognized in the beginning.
Next, horizontal direction is recognized.