

F56-BDU  
ERROR CODE LIST

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E02      May            2007  
E01      May            2006

FUJITSU FRONTECH LIMITED  
Tokyo, Japan

						TITLE F56-BDU ERROR CODE LIST		
						DRAW. NO. K3KD03234-0001		CUST
EDIT	DATE	DESIG.	CHECK	APPR.	DESCRIPTION	FUJITSU FRONTECH LTD.		S H E E T 1 / 27
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### Update History

ED.	DATE	DESCRIPTION
E01	2006.05.20	First edition created from error code of F56-BDU.(Rohs)
E02	2007.05.20	Error code 1100,1200-1205,1500,1600-1605,2100,2200-2205,2500,2600-2605,3100,3200-3205,3500,3600-3605,4100,4200-4205,4500,4600-4605, F80F, F88F, F8AF is additions.
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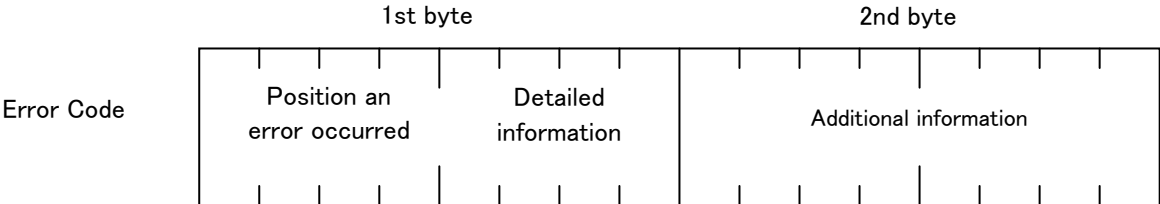
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# 1. Outline

This document is described for error cords that occur on F56-BDU.

## 1.1 Error Code

Error Code which are set in the negative response are classified follows:



- (1) Upper 4 bits of 1st byte show a position in which an error occurred.  
Lower 4 bits show detailed information of the error.
- (2) 2nd byte shows additional information for the error code.

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## 1.2 Error Code List

System down		1st / 5th Cassette section	
00	Internal error Internal error	10	No 1st Cassette
01		11	1st cassette empty
02		12	1st cassette: Error related to bill diagnosis
03		13	
04		14	No 5th Cassette
05		15	5th cassette empty
06		16	5th cassette: Error related to bill diagnosis
07		17	
08		18	1st Cassette pick error
09		19	
0A		1A	
0B		1B	
0C		1C	5th Cassette pick error
0D		1D	
0E		1E	
0F		1F	

2nd / 6th Cassette section		3rd / 7th Cassette section	
20	No 2nd Cassette	30	No 3rd Cassette
21	2nd cassette empty	31	3rd cassette empty
22	2nd cassette: Error related to bill diagnosis	32	3rd cassette: Error related to bill diagnosis
23		33	
24	No 6th Cassette	34	No 7th Cassette
25	6th cassette empty	35	(7th cassette empty)
26	6th cassette: Error related to bill diagnosis	36	7th cassette: Error related to bill diagnosis
27		37	
28	2nd Cassette pick error	38	3rd Cassette pick error
29		39	
2A		3A	
2B		3B	
2C	6th Cassette pick error	3C	(7th Cassette pick error)
2D		3D	
2E		3E	
2F		3F	

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4th / 8th Cassette section		Bill pool section	
40	No 4th Cassette	50	Home position error
41	4th cassette empty	51	Upper position error
42	4th cassette: Error related to bill diagnosis	52	No bill in pool section
43		53	
44	No 8th Cassette	54	
45	(8th cassette empty)	55	
46	8th cassette: Error related to bill diagnosis	56	
47		57	
48	4th Cassette pick error	58	
49		59	
4A		5A	
4B		5B	
4C	(8th Cassette pick error)	5C	
4D		5D	
4E		5E	
4F		5F	

Reserve		Transfer section	
60		70	Medium remain
61		71	
62		72	
63		73	
64		74	
65		75	
66		76	Medium pulling out
67		77	
68		78	JAM (FDLSn~DFSS)
69		79	
6A		7A	JAM (DFSS~BPS)
6B		7B	JAM (DFSS~REJS)
6C		7C	JAM (pool section ~ EJSF/EJSR)
6D		7D	JAM (EJSF/EJSR ~ pool section)
6E		7E	
6F		7F	

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Bill check section		Reserve	
80		90	
81		91	
82	Bill length error (long)	92	
83	Bill length error (short)	93	
84	Thickness error	94	
85	Pick from another safe	95	
86	Abnormal spacing	96	
87		97	
88	Count mismatch	98	
89	Potentiometer error	99	
8A		9A	
8B		9B	
8C		9C	
8D		9D	
8E		9E	
8F		9F	

Ejection / Shutter section		Rejection / Capture box section	
A0		B0	
A1	(Front) Shutter open error	B1	
A2	(Front) Shutter close error	B2	
A3		B3	
A4	(Front) No bills in the ejection opening	B4	
A5		B5	Reject box overflow
A6		B6	
A7	(Front) Open shutter	B7	
A8		B8	(Front) Capture box (option) is no setup
A9	(Rear) Shutter open error	B9	(Front) Capture box is no set
AA	(Rear) Shutter close error	BA	(Front) Capture box overflow
AB		BB	
AC	(Rear) No bills in the ejection opening	BC	(Rear) Capture box (option) is no setup
AD		BD	(Rear) Capture box is no set
AE		BE	(Rear) Capture box overflow
AF	(Rear) Open shutter	BF	

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Error related to the download		Reserve	
C0	Sequence error	D0	
C1	Download error	D1	
C2	Command received except RT, LD and LE	D2	
C3	Download error	D3	
C4		D4	
C5		D5	
C6		D6	
C7		D7	
C8		D8	
C9		D9	
CA		DA	
CB		DB	
CC		DC	
CD		DD	
CE		DE	
CF		DF	

D level error		BD controller	
E0	RAS command undefined	F0	
E1	Parameter not registered	F1	Over current error
E2		F2	Option setup is unusual.
E3		F3	(Front) Option setup is unusual.
E4	Bill information not provided	F4	(Rear) Option setup is unusual.
E5	Specification error	F5	
E6	Parameter ISO code error	F6	Log data check sum error
E7		F7	
E8	Bill length/ thickness information error	F8	Sensor error
E9		F9	
EA	Parameter error	FA	
EB		FB	
EC	FS error	FC	Illegal operation (F56S)
ED		FD	Power off during count (F56S)
EE	Command format error	FE	
EF	Command execution is impossible.	FF	

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### 1.3 7seg display

State of display

No.	Display	State
1	0	Normal state
2	1	The program down loaded incompletely.
3	r	RAS operation in progress

System down of display (Power off-on is necessary)

No.	Display	Description
1	3.	ROM check sum error
2	4.	RAM check error
3	5.	Watch dog error
4	6.	Transmit error (BOOT)
5	7.	FRAM check error
6	d.	System down

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2. Error code details

2.1 System down

Semi-major	Additional Information	Detailed information
03	01	Internal error 1
	02	Internal error 2
04	xx	Internal error 3   xx: Task ID

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## 2.2 1st / 5th Cassette section

Semi-major	Additional Information	Detailed information
10	00	No 1st Cassette.
11	00	1st cassette empty (pick errors while bills low)
12	00	1st cassette diagnosis data none
	01	1st cassette denomination differs
	02	1st cassette: The reference value of length cannot be fixed
	03	1st cassette: The reference value of the thickness cannot be fixed
	04	1st cassette: The length diagnosis result is outside a regulated range
	05	1st cassette: The thickness diagnosis result is outside a regulated range (0.09 mm – 0.15 mm)
14	00	No 5th Cassette.
15	00	5th cassette empty (pick errors while bills low)
16	00	5th cassette diagnosis data none
	01	5th cassette denomination differs
	02	5th cassette: The reference value of length cannot be fixed
	03	5th cassette: The reference value of the thickness cannot be fixed
	04	5th cassette: The length diagnosis result is outside a regulated range
	05	5th cassette: The thickness diagnosis result is outside a regulated range (0.09 mm – 0.15 mm)
18	00	1st Cassette pick error.
1C	00	5th Cassette pick error.

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## 2.3 2nd / 6th Cassette section

Semi-major	Additional Information	Detailed information
20	00	No 2nd Cassette.
21	00	2nd cassette empty (pick errors while bills low)
22	00	2nd cassette diagnosis data none
	01	2nd cassette denomination differs
	02	2nd cassette: The reference value of length cannot be fixed
	03	2nd cassette: The reference value of the thickness cannot be fixed
	04	2nd cassette: The length diagnosis result is outside a regulated range
	05	2nd cassette: The thickness diagnosis result is outside a regulated range (0.09 mm – 0.15 mm)
24	00	No 6th Cassette.
25	00	6th cassette empty (pick errors while bills low)
26	00	6th cassette diagnosis data none
	01	6th cassette denomination differs
	02	6th cassette: The reference value of length cannot be fixed
	03	6th cassette: The reference value of the thickness cannot be fixed
	04	6th cassette: The length diagnosis result is outside a regulated range
	05	6th cassette: The thickness diagnosis result is outside a regulated range (0.09 mm – 0.15 mm)
28	00	2nd Cassette pick error.
2C	00	6th Cassette pick error.

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## 2.4 3rd / 7th Cassette section

Semi-major	Additional Information	Detailed information
30	00	No 3rd Cassette.
31	00	3rd cassette empty (pick errors while bills low)
32	00	3rd cassette diagnosis data none
	01	3rd cassette denomination differs
	02	3rd cassette: The reference value of length cannot be fixed
	03	3rd cassette: The reference value of the thickness cannot be fixed
	04	3rd cassette: The length diagnosis result is outside a regulated range
	05	3rd cassette: The thickness diagnosis result is outside a regulated range (0.09 mm – 0.15 mm)
34	00	No 7th Cassette.
35	00	(7th cassette empty (pick errors while bills low))
36	00	7th cassette diagnosis data none
	01	(7th cassette denomination differs)
	02	(7th cassette: The reference value of length cannot be fixed)
	03	(7th cassette: The reference value of the thickness cannot be fixed)
	04	(7th cassette: The length diagnosis result is outside a regulated range)
	05	(7th cassette: The thickness diagnosis result is outside a regulated range (0.09 mm – 0.15 mm))
38	00	3rd Cassette pick error.
3C	00	(7th Cassette pick error)

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## 2.5 4th / 8th Cassette section

Semi-major	Additional Information	Detailed information
40	00	No 4th Cassette.
41	00	4th cassette empty (pick errors while bills low)
42	00	4th cassette diagnosis data none
	01	4th cassette denomination differs
	02	4th cassette: The reference value of length cannot be fixed
	03	4th cassette: The reference value of the thickness cannot be fixed
	04	4th cassette: The length diagnosis result is outside a regulated range
	05	4th cassette: The thickness diagnosis result is outside a regulated range (0.09 mm – 0.15 mm)
44	00	No 8th Cassette.
45	00	(8th cassette empty (pick errors while bills low))
46	00	8th cassette diagnosis data none
	01	(8th cassette denomination differs)
	02	(8th cassette: The reference value of length cannot be fixed)
	03	(8th cassette: The reference value of the thickness cannot be fixed)
	04	(8th cassette: The length diagnosis result is outside a regulated range)
	05	(8th cassette: The thickness diagnosis result is outside a regulated range (0.09 mm – 0.15 mm))
48	00	4th Cassette pick error.
4C	00	(8th Cassette pick error)

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## 2.6 Bill pool section

Semi-major	Additional Information	Detailed information							
50	00	Home position error of the pool section							
	01	Pool section lowering retry over.							
51	00	Upper position error of the pool section							
	02	Pool section lifting retry over.							
52	XX	No medium in the pool section.							
		XX: Data when judged erroneous (sensor port content)							
		b7	b6	b5	b4	b3	b2	b1	b0
		BRS1	BRS2	BRS3	EJSR	EJSF	REJS	BPS	DFSS

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## 2.7 Transfer section

Semi-major	Additional Information	Detailed information
70	01	Medium remaining at FDLS1.
	02	Medium remaining at FDLS2.
	03	Medium remaining at FDLS3.
	04	Medium remaining at FDLS4.
	05	Medium remaining at FDLS5.
	06	Medium remaining at FDLS6.
	07	(Medium remaining at FDLS7.)
	08	(Medium remaining at FDLS8.)
	09	Medium remaining at DFSS.
	0A	(Medium remaining at REJS.)
	0B	Medium remaining at BPS.
	0C	Medium remaining at BRS1.
	0D	Medium remaining at BRS2.
	0E	Medium remaining at BRS3.
	0F	Medium remaining at EJSF.
	10	Medium remaining at EJSR.
76	00	The bill on EJSF was pulled out besides the unit during bill retrieval.
	01	The bill on EJSR was pulled out besides the unit during bill retrieval.

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Semi-major	Additional Information	Detailed information
78	01	JAM occurred on FDLS1.
	02	JAM occurred on FDLS2.
	03	JAM occurred on FDLS3.
	04	JAM occurred on FDLS4.
	05	JAM occurred on FDLS5.
	06	JAM occurred on FDLS6.
	07	(JAM occurred on FDLS7.)
	08	(JAM occurred on FDLS8.)
	11	JAM occurred between FDLS1 and DFSS.
	12	JAM occurred between FDLS2 and DFSS.
	13	JAM occurred between FDLS3 and DFSS.
	14	JAM occurred between FDLS4 and DFSS.
	15	JAM occurred between FDLS5 and DFSS.
	16	JAM occurred between FDLS6 and DFSS.
	17	(JAM occurred between FDLS7 and DFSS.)
	18	(JAM occurred between FDLS8 and DFSS.)
	21	FDLS1 medium remaining after completion of count.
	22	FDLS2 medium remaining after completion of count.
	23	FDLS3 medium remaining after completion of count.
	24	FDLS4 medium remaining after completion of count.
	25	FDLS5 medium remaining after completion of count.
	26	FDLS6 medium remaining after completion of count.
	27	(FDLS7 medium remaining after completion of count.)
	28	(FDLS8 medium remaining after completion of count.)
	31	FDLS1 medium remaining after completion of cleaning JAM.
	32	FDLS2 medium remaining after completion of cleaning JAM.
	33	FDLS3 medium remaining after completion of cleaning JAM.
	34	FDLS4 medium remaining after completion of cleaning JAM.
	35	FDLS5 medium remaining after completion of cleaning JAM.
	36	FDLS6 medium remaining after completion of cleaning JAM.
	37	(FDLS7 medium remaining after completion of cleaning JAM.)
	38	(FDLS8 medium remaining after completion of cleaning JAM.)

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Semi-major	Additional Information	Detailed information
78	41	FDLS1 was turned on when there was no bill.
	42	FDLS2 was turned on when there was no bill.
	43	FDLS3 was turned on when there was no bill.
	44	FDLS4 was turned on when there was no bill.
	45	FDLS5 was turned on when there was no bill.
	46	FDLS6 was turned on when there was no bill.
	47	(FDLS7 was turned on when there was no bill.)
	48	(FDLS8 was turned on when there was no bill.)
7A	01	JAM occurred on DFSS.
	02	JAM occurred between DFSS and BPS.
	03	JAM occurred on BPS.
	29	DFSS medium remaining after completion of count.
	2A	BPS medium remaining after completion of count.
	39	DFSS medium remaining after completion of cleaning JAM.
	3A	BPS medium remaining after completion of cleaning JAM.
7B	01	JAM occurred between DFSS and REJS.
	4B	REJS was turned on when there was no bill

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Semi-major	Additional Information	Detailed information
7C	01	Jam occurred between pool section and EJSF.
	02	Jam occurred between pool section and EJSR.
	03	The bill was detected at the same time with EJSF and BRS2 while transporting the bill.
	04	The bill was detected at the same time with EJSF and BRS1 while transporting the bill.
	05	The bill was detected at the same time with EJSR and BRS3 while transporting the bill.
	06	The bill was detected at the same time with EJSR and BRS1 while transporting the bill.
	07	The bill was detected at the same time with EJSR and BRS2 while transporting the bill.
	2C	EJSF medium remaining after completion of count.
	2D	EJSR medium remaining after completion of count.
	3C	EJSF medium remaining after completion of cleaning JAM.
	3D	EJSR medium remaining after completion of cleaning JAM.
	80	EJSF was turned on during transfer motor rotation before the mechanical reset operation and feed operation of the bill count command.
	81	EJSR was turned on during transfer motor rotation before the mechanical reset operation and feed operation of the bill count command.
7D	01	Jam occurred between EJSF and pool section.
	02	Jam occurred between EJSR and pool section.
	11	Jam occurred between pool section and EJSR. (Front Retrieval)
	12	Jam occurred between pool section and EJSF. (Rear Retrieval)

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## 2.8 Bill check section

Semi-major	Additional Information	Detailed information
82	00	Long bill
83	00	Short bill
84	00	Thickness abnormal
85	01	Pick from another safe. (1st cassette)
	02	Pick from another safe. (2nd cassette)
	03	Pick from another safe. (3rd cassette)
	04	Pick from another safe. (4th cassette)
	05	Pick from another safe. (5th cassette)
	06	Pick from another safe. (6th cassette)
86	00	Spacing between picking bills in less than the specified value.
88	00	Count inconsistency (Number of requested notes = number of notes identified as normal = number of notes that passed through BPS does not hold.)
	01	Count inconsistency (BPS was turned ON when there was no bill.)
	03	Count mismatch (Medium passed through BPS while clearing a jam.)
89	xx	Potentiometer error xx: Data when judged erroneous (DFCS measured data)

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## 2.9 Ejection / Shutter section

Semi-major	Additional Information	Detailed information																
A1	00	(Front) Shutter open error (SCSF does not change)																
	01	(Front) Shutter open error (SOSF does not change)																
	02	(Front) Shutter open error (Simultaneous sensor detection)																
A2	00	(Front) Shutter close error (SOSF does not change)																
	01	(Front) Shutter close error (SCSF does not change)																
	02	(Front) Shutter close error (Simultaneous sensor detection)																
A4	XX	(Front) No medium in the ejection section. XX: Data when judged erroneous (sensor port content) <table><tr><td>b7</td><td>b6</td><td>b5</td><td>b4</td><td>b3</td><td>b2</td><td>b1</td><td>b0</td></tr><tr><td>BRS1</td><td>BRS2</td><td>BRS3</td><td>EJSR</td><td>EJSF</td><td>REJS</td><td>BPS</td><td>DFSS</td></tr></table>	b7	b6	b5	b4	b3	b2	b1	b0	BRS1	BRS2	BRS3	EJSR	EJSF	REJS	BPS	DFSS
b7	b6	b5	b4	b3	b2	b1	b0											
BRS1	BRS2	BRS3	EJSR	EJSF	REJS	BPS	DFSS											
A7	XX	(Front) Open shutter. XX: Data when judged erroneous (sensor port content) <table><tr><td>b7</td><td>b6</td><td>b5</td><td>b4</td><td>b3</td><td>b2</td><td>b1</td><td>b0</td></tr><tr><td>TUS</td><td>THS</td><td>RJBR</td><td>RJBF</td><td>SOSR</td><td>SCSR</td><td>SOSF</td><td>SCSF</td></tr></table>	b7	b6	b5	b4	b3	b2	b1	b0	TUS	THS	RJBR	RJBF	SOSR	SCSR	SOSF	SCSF
b7	b6	b5	b4	b3	b2	b1	b0											
TUS	THS	RJBR	RJBF	SOSR	SCSR	SOSF	SCSF											
A9	00	(Rear) Shutter open error (SCSR does not change)																
	01	(Rear) Shutter open error (SOSR does not change)																
	02	(Rear) Shutter open error (Simultaneous sensor detection)																
AA	00	(Rear) Shutter close error (SOSR does not change)																
	01	(Rear) Shutter close error (SCSR does not change)																
	02	(Rear) Shutter close error (Simultaneous sensor detection)																
AC	XX	(Rear) No medium in the ejection section. XX: Data when judged erroneous (sensor port content) <table><tr><td>b7</td><td>b6</td><td>b5</td><td>b4</td><td>b3</td><td>b2</td><td>b1</td><td>b0</td></tr><tr><td>BRS1</td><td>BRS2</td><td>BRS3</td><td>EJSR</td><td>EJSF</td><td>REJS</td><td>BPS</td><td>DFSS</td></tr></table>	b7	b6	b5	b4	b3	b2	b1	b0	BRS1	BRS2	BRS3	EJSR	EJSF	REJS	BPS	DFSS
b7	b6	b5	b4	b3	b2	b1	b0											
BRS1	BRS2	BRS3	EJSR	EJSF	REJS	BPS	DFSS											
AF	XX	(Rear) Open shutter. XX: Data when judged erroneous (sensor port content) <table><tr><td>b7</td><td>b6</td><td>b5</td><td>b4</td><td>b3</td><td>b2</td><td>b1</td><td>b0</td></tr><tr><td>TUS</td><td>THS</td><td>RJBR</td><td>RJBF</td><td>SOSR</td><td>SCSR</td><td>SOSF</td><td>SCSF</td></tr></table>	b7	b6	b5	b4	b3	b2	b1	b0	TUS	THS	RJBR	RJBF	SOSR	SCSR	SOSF	SCSF
b7	b6	b5	b4	b3	b2	b1	b0											
TUS	THS	RJBR	RJBF	SOSR	SCSR	SOSF	SCSF											

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## 2.10 Rejection / Capture box section

Semi-major	Additional Information	Detailed information																
B5	XX	Reject box was full. XX: Data when judged erroneous (sensor port content) <table><tr><td>b7</td><td>b6</td><td>b5</td><td>b4</td><td>b3</td><td>b2</td><td>b1</td><td>b0</td></tr><tr><td>BRS1</td><td>BRS2</td><td>BRS3</td><td>EJSR</td><td>EJSF</td><td>REJS</td><td>BPS</td><td>DFSS</td></tr></table>	b7	b6	b5	b4	b3	b2	b1	b0	BRS1	BRS2	BRS3	EJSR	EJSF	REJS	BPS	DFSS
b7	b6	b5	b4	b3	b2	b1	b0											
BRS1	BRS2	BRS3	EJSR	EJSF	REJS	BPS	DFSS											
B8	XX	(Front) Capture box (option) is no setup XX: Data when judged erroneous (sensor port content) <table><tr><td>b7</td><td>b6</td><td>b5</td><td>b4</td><td>b3</td><td>b2</td><td>b1</td><td>b0</td></tr><tr><td>-</td><td>-</td><td>-</td><td>-</td><td>RRBOX</td><td>RSHT</td><td>FRBOX</td><td>FSHT</td></tr></table>	b7	b6	b5	b4	b3	b2	b1	b0	-	-	-	-	RRBOX	RSHT	FRBOX	FSHT
b7	b6	b5	b4	b3	b2	b1	b0											
-	-	-	-	RRBOX	RSHT	FRBOX	FSHT											
B9	XX	(Front) Capture box is no set XX: Data when judged erroneous (sensor port content) <table><tr><td>b7</td><td>b6</td><td>b5</td><td>b4</td><td>b3</td><td>b2</td><td>b1</td><td>b0</td></tr><tr><td>TUS</td><td>THS</td><td>RJBR</td><td>RJBF</td><td>SOSR</td><td>SCSR</td><td>SOSF</td><td>SCSF</td></tr></table>	b7	b6	b5	b4	b3	b2	b1	b0	TUS	THS	RJBR	RJBF	SOSR	SCSR	SOSF	SCSF
b7	b6	b5	b4	b3	b2	b1	b0											
TUS	THS	RJBR	RJBF	SOSR	SCSR	SOSF	SCSF											
BA	XX	(Front) Capture box was full. XX: Data when judged erroneous (sensor port content) <table><tr><td>b7</td><td>b6</td><td>b5</td><td>b4</td><td>b3</td><td>b2</td><td>b1</td><td>b0</td></tr><tr><td>BRS1</td><td>BRS2</td><td>BRS3</td><td>EJSR</td><td>EJSF</td><td>REJS</td><td>BPS</td><td>DFSS</td></tr></table>	b7	b6	b5	b4	b3	b2	b1	b0	BRS1	BRS2	BRS3	EJSR	EJSF	REJS	BPS	DFSS
b7	b6	b5	b4	b3	b2	b1	b0											
BRS1	BRS2	BRS3	EJSR	EJSF	REJS	BPS	DFSS											
BC	XX	(Rear) Capture box (option) is no setup XX: Data when judged erroneous (sensor port content) <table><tr><td>b7</td><td>b6</td><td>b5</td><td>b4</td><td>b3</td><td>b2</td><td>b1</td><td>b0</td></tr><tr><td>-</td><td>-</td><td>-</td><td>-</td><td>RRBOX</td><td>RSHT</td><td>FRBOX</td><td>FSHT</td></tr></table>	b7	b6	b5	b4	b3	b2	b1	b0	-	-	-	-	RRBOX	RSHT	FRBOX	FSHT
b7	b6	b5	b4	b3	b2	b1	b0											
-	-	-	-	RRBOX	RSHT	FRBOX	FSHT											
BD	XX	(Rear) Capture box is no set XX: Data when judged erroneous (sensor port content) <table><tr><td>b7</td><td>b6</td><td>b5</td><td>b4</td><td>b3</td><td>b2</td><td>b1</td><td>b0</td></tr><tr><td>TUS</td><td>THS</td><td>RJBR</td><td>RJBF</td><td>SOSR</td><td>SCSR</td><td>SOSF</td><td>SCSF</td></tr></table>	b7	b6	b5	b4	b3	b2	b1	b0	TUS	THS	RJBR	RJBF	SOSR	SCSR	SOSF	SCSF
b7	b6	b5	b4	b3	b2	b1	b0											
TUS	THS	RJBR	RJBF	SOSR	SCSR	SOSF	SCSF											
BE	XX	(Rear) Capture box was full. XX: Data when judged erroneous (sensor port content) <table><tr><td>b7</td><td>b6</td><td>b5</td><td>b4</td><td>b3</td><td>b2</td><td>b1</td><td>b0</td></tr><tr><td>BRS1</td><td>BRS2</td><td>BRS3</td><td>EJSR</td><td>EJSF</td><td>REJS</td><td>BPS</td><td>DFSS</td></tr></table>	b7	b6	b5	b4	b3	b2	b1	b0	BRS1	BRS2	BRS3	EJSR	EJSF	REJS	BPS	DFSS
b7	b6	b5	b4	b3	b2	b1	b0											
BRS1	BRS2	BRS3	EJSR	EJSF	REJS	BPS	DFSS											

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## 2.11 Error related to the download

Semi-major	Additional Information	Detailed information
C0	00	Received D level command during RAS mode.
	01	Received “LE” during executing RAM program.
	02	Received “LE” before receiving “LD” command.
C1	00	After receiving the ‘RT’, a loss in the download program.
	01	Flash ROM write error.
	02	Sum check error of program load.
	03	After receiving the ‘RT’, version error.
	04	Flash ROM erase error.
	05	File name error of control area format.
	06	Data size error of control area format.
C2	01	BD received the command excluding “RT”, “LD”, and “LE”.
C3	01	Download header error. (D-Code is not ‘00’)
	02	Download header error. (E-Code is not ‘1’ or ‘H’)
	03	Block number error. (D-code is ‘LD’)
	04	Data length error.

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## 2.12 D level error

Semi-major	Additional Information	Detailed information
E0	00	RAS command undefined
E1	00	An attempt was made to execute a count system request for device's initialization, although no bill information was registered.
E4	01	Bill information not provided. (1st cassette)
	02	Bill information not provided. (2nd cassette)
	03	Bill information not provided. (3rd cassette)
	04	Bill information not provided. (4th cassette)
	05	Bill information not provided. (5th cassette)
	06	Bill information not provided. (6th cassette)
E5	01	Count sequence specification error
	xx	Specification error of total number of notes xx: Data when judged erroneous (error data)
E6	xx	Parameter ISO code error xx: Data when judged erroneous (error data)
E8	xx	Note length/thickness information error xx: Data when judged erroneous (error data)
EA	xx	Parameter error xx: Data when judged erroneous (error data)
EC	xx	FS error xx: Data when judged erroneous (error data)
EE	xx	Command format error xx: Data when judged erroneous (error data)
EF	XX	Command execution is impossible. (Pool section is no setup) XX: Data when judged erroneous (sensor port content)
		b7b6b5b4b3b2b1b0
		F56SFTRM2TRM1TRM0- -F56P-

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## 2.13 BD Controller

Semi-major	Additional Information	Detailed information																
F1	00	Over current error																
F2	xx	Option setup is unusual. XX: Data when judged erroneous (sensor port content) <table><tr><td>b7</td><td>b6</td><td>b5</td><td>b4</td><td>b3</td><td>b2</td><td>b1</td><td>b0</td></tr><tr><td>-</td><td>-</td><td>-</td><td>-</td><td>RRBOX</td><td>RSHT</td><td>FRBOX</td><td>FSHT</td></tr></table>	b7	b6	b5	b4	b3	b2	b1	b0	-	-	-	-	RRBOX	RSHT	FRBOX	FSHT
b7	b6	b5	b4	b3	b2	b1	b0											
-	-	-	-	RRBOX	RSHT	FRBOX	FSHT											
F3	xx	(Front) Option setup is unusual. XX: Data when judged erroneous (sensor port content) <table><tr><td>b7</td><td>b6</td><td>b5</td><td>b4</td><td>b3</td><td>b2</td><td>b1</td><td>b0</td></tr><tr><td>-</td><td>-</td><td>-</td><td>-</td><td>RRBOX</td><td>RSHT</td><td>FRBOX</td><td>FSHT</td></tr></table>	b7	b6	b5	b4	b3	b2	b1	b0	-	-	-	-	RRBOX	RSHT	FRBOX	FSHT
b7	b6	b5	b4	b3	b2	b1	b0											
-	-	-	-	RRBOX	RSHT	FRBOX	FSHT											
F4	xx	(Rear) Option setup is unusual. XX: Data when judged erroneous (sensor port content) <table><tr><td>b7</td><td>b6</td><td>b5</td><td>b4</td><td>b3</td><td>b2</td><td>b1</td><td>b0</td></tr><tr><td>-</td><td>-</td><td>-</td><td>-</td><td>RRBOX</td><td>RSHT</td><td>FRBOX</td><td>FSHT</td></tr></table>	b7	b6	b5	b4	b3	b2	b1	b0	-	-	-	-	RRBOX	RSHT	FRBOX	FSHT
b7	b6	b5	b4	b3	b2	b1	b0											
-	-	-	-	RRBOX	RSHT	FRBOX	FSHT											
F6	xx	Log data check sum error xx: Data when judged erroneous (error sum)																
F8	01	Sensor slice level error of FDLS1.																
	02	Sensor slice level error of FDLS2.																
	03	Sensor slice level error of FDLS3.																
	04	Sensor slice level error of FDLS4.																
	05	Sensor slice level error of FDLS5.																
	06	Sensor slice level error of FDLS6.																
	07	Sensor slice level error of DFSS.																
	08	Sensor slice level error of REJS.																
	09	Sensor slice level error of BPS.																
	0A	Sensor slice level error of BRS1.																
	0B	Sensor slice level error of BRS2.																
	0C	Sensor slice level error of BRS3.																
	0D	Sensor slice level error of EJSR.																
	0E	Sensor slice level error of EJSF.																
	0F	Sensor slice level error of BCS (op).																

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Semi-major	Additional Information	Detailed information
F8	81	Sensor-off check error of FDLS1.
	82	Sensor-off check error of FDLS2.
	83	Sensor-off check error of FDLS3.
	84	Sensor-off check error of FDLS4.
	85	Sensor-off check error of FDLS5.
	86	Sensor-off check error of FDLS6.
	87	Sensor-off check error of DFSS.
	88	Sensor-off check error of REJS.
	89	Sensor-off check error of BPS.
	8A	Sensor-off check error of BRS1.
	8B	Sensor-off check error of BRS2.
	8C	Sensor-off check error of BRS3.
	8D	Sensor-off check error of EJSR.
	8E	Sensor-off check error of EJSF.
	8F	Sensor-off check error of BCS (op).
	A1	Sensor-on check error of FDLS1.
	A2	Sensor-on check error of FDLS2.
	A3	Sensor-on check error of FDLS3.
	A4	Sensor-on check error of FDLS4.
	A5	Sensor-on check error of FDLS5.
	A6	Sensor-on check error of FDLS6.
	A7	Sensor-on check error of DFSS.
	A8	Sensor-on check error of REJS.
	A9	Sensor-on check error of BPS.
	AA	Sensor-on check error of BRS1.
	AB	Sensor-on check error of BRS2.
	AC	Sensor-on check error of BRS3.
	AD	Sensor-on check error of EJSR.
	AE	Sensor-on check error of EJSF.
	AF	Sensor-on check error of BCS (op).
	F0	Sensor level write DAC error.
FC	00	Illegal operation due to non-notification of data. F56S
FD	00	Power off during count F56S

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