הכנת פקס' Aficio FX10

כניסה למצב טכנאי:

FUNCTION 6
1995
YES

כניסה לכתובות:

06
YES
0

80002F=0F קוד מדינה ישראל
807F00=0F קוד מדינה ישראל
YES
FUNCTION
לכבות ולהדליק את המכשיר

להכנס שוב לכתובות:

800072 = 01 זמן בין חיוגים בחיוג מזכרון
8000A2 = 00 דוגמת מסמך בשד' מזיכרון
8000A3 = B5 דו"חות
800070 = 0E מספר חיוגים מזיכרון
80006E = 01 זמן המתנה בין חיוגים מזכ'
807F72 = 01 רגישות לצילצולים (תחתון)
807F73 = FF רגישות לצילצולים (עליון)
800022 = C0 **RDS = ON**
807F04 = FF
807F05 = FF
807F06 = FF
807F07 = FF
} ביטול האזנה לצליל חיוג

מס' סידורי: במצב טכנאי **FUNCTION 14**
שעון: **FUNCTION 81**
מדבקות: עברית, אלקטיס ומשרד התקשורת.

הערה: איפוס---- **800005=FF**

7.4. SERVICE CALL CONDITIONS

If the Call Service indicator is lit, one of the following conditions has occurred. (Please refer to the section 2-2-11 for details of the service call conditions.)

Symptom	Error Code	Sub-code	SC-code
Scanner home position error	9-11	71	7-71
Charge leak current detected while the charge corona unit was activated.	9-17	11	1-11
Charge leak current detected while the charge corona unit was not activated.	9-17	12	1-12
Laser diode failure	9-20	21	2-21
Fusing unit failure (fusing lamp at high temperature during printing)	9-22	01	0-01
Fusing unit failure (fusing lamp not at printing temperature after warm-up)	9-22	02	0-02
Fusing unit failure (fusing lamp at high temperature in power saver mode)	9-22	03	0-03
Fusing unit failure (fusing lamp at high temperature in power saver mode)	9-22	04	0-04
Fusing unit failure (fusing lamp at low temperature in power saver mode)	9-22	05	0-05
Fusing unit failure (fusing lamp at low temperature during printing)	9-22	07	0-07
Fusing unit failure (fusing lamp at an extremely high temperature)	9-22	08	0-08
Fusing unit failure (thermistor error)	9-22	09	0-09
Fusing unit failure (fusing lamp at high temperature in power saver mode)	9-22	0A	0-0A
Polygon mirror motor startup error	9-23	31	3-31
Polygon mirror motor error while printing	9-23	32	3-32
Main motor startup error	9-24	41	4-41
Main motor error while printing	9-24	42	4-42

To find out which problem has occurred, either:

- See the Auto Service Call report that was sent to the service station by the machine. This report lists a sub-code, as well as the error message; this sub-code may help you find the problem.
  Or, check the sub-code stored at RAM addresses 80032C(H) and 8003A4(H).
- Check the error code history using service function 03.
- Try to clear the service call condition (for failures which are not related to the fusing unit): switch the power off, wait 10 seconds, then switch back on.
- An SC-code is displayed on the LCD panel when the error occurs.

If the failure is related to the fusing unit, after fixing the problem, reset the data at address 80032C(H) to 00(H), then restart the machine.

7.5. ERROR CODES

If an error code occurs, retry the communication. If the same problem occurs, try to fix the problem as suggested below. Note that error codes 4-00, 01, 02, and 10 only appear in the error code display and on the service report.

Code	Meaning	Suggested Cause/Action
0-00	DIS/NSF not detected within 40 s of Start being pressed	Check the line connection. Check the NCU - FCU connectors. The machine at the other end may be incompatible. Replace the NCU or FCU. Check for DIS/NSF with an oscilloscope. If the rx signal is weak, there may be a bad line.
0-01	DCN received unexpectedly	The other party is out of paper or has a jammed printer. The other party pressed Stop during communication.
0-03	Incompatible modem at the other end	The other terminal is incompatible.
0-04	CFR or FTT not received after modem training	Check the line connection. Check the NCU - FCU connectors. Try changing the tx level and/or cable equalizer settings. Replace the FCU or NCU. The other terminal may be faulty; try sending to another machine. If the rx signal is weak or defective, there may be a bad line. **Cross reference** Tx level - NCU Parameter 01 (PSTN) Cable equalizer - G3 Switch 07 (PSTN) Dedicated Tx parameters - Section 4-4
0-05	Unsuccessful after modem training at 2400 bps	Check the line connection. Check the NCU - FCU connectors. Try adjusting the tx level and/or cable equalizer. Replace the FCU or NCU. Check for line problems. **Cross reference** See error code 0-04.
0-06	The other terminal did not reply to DCS	Check the line connection. Check the FCU - NCU connectors. Try adjusting the tx level and/or cable equalizer settings. Replace the NCU or FCU. The other end may be defective or incompatible; try sending to another machine. Check for line problems. **Cross reference** See error code 0-04.

Code	Meaning	Suggested Cause/Action
0-07	No post-message response from the other end after a page was sent	Check the line connection. Check the FCU - NCU connectors. Replace the NCU or FCU. The other end may have jammed or run out of paper. The other end user may have disconnected the call. Check for a bad line. The other end may be defective; try sending to another machine.
0-08	The other end sent RTN or PIN after receiving a page, because there were too many errors	Check the line connection. Check the FCU - NCU connectors. Replace the NCU or FCU. The other end may have jammed, or run out of paper or memory space. Try adjusting the tx level and/or cable equalizer settings. The other end may have a defective modem/NCU/FCU; try sending to another machine. Check for line problems and noise. **Cross reference** Tx level - NCU Parameter 01 (PSTN) Cable equalizer - G3 Switch 07 (PSTN) Dedicated Tx parameters - Section 4-4
0-14	Non-standard post message response code received	Check the FCU - NCU connectors. Incompatible or defective remote terminal; try sending to another machine. Noisy line: resend. Try adjusting the tx level and/or cable equalizer settings. Replace the NCU or FCU. **Cross reference** See error code 0-08.
0-15	The other end does not have the confidential or transfer function	The other terminal does not have the confidential rx or transfer function, or the other terminal's memory is full.
0-16	CFR or FTT not detected after modem training in confidential or transfer mode	Check the line connection. Check the FCU - NCU connectors. Replace the NCU or FCU. Try adjusting the tx level and/or cable equalizer settings. The other end may have disconnected, or it may be defective; try calling another machine. If the rx signal level is too low, there may be a line problem. **Cross reference** See error code 0-08.
0-17	Communication was interrupted by pressing the Stop key.	If the Stop key was not pressed and this error keeps occurring, replace the operation panel or OPU.

Code	Meaning	Suggested Cause/Action
0-20	Facsimile data not received within 6 s of retraining	Check the line connection. Check the FCU - NCU connectors. Replace the NCU or FCU. Check for line problems. Try calling another fax machine. Try adjusting the reconstruction time for the first line and/or rx cable equalizer setting. **Cross reference** Reconstruction time - G3 Switch 0A, bit 6 Rx cable equalizer - G3 Switch 07 (PSTN)
0-21	EOL signal (end-of-line) from the other end not received within 5 s of the previous EOL signal	Check the connections between the FCU, NCU, & line. Check for line noise or other line problems. Replace the NCU or FCU. The remote machine may be defective or may have disconnected. **Cross reference** Maximum interval between EOLs and ECM frames - G3 Bit Switch 0A, bit 4
0-22	The signal from the other end was interrupted for more than the acceptable modem carrier drop time (default: 0.2 s)	Check the line connection. Check the FCU - NCU connectors. Replace the NCU or FCU. Defective remote terminal. Check for line noise or other line problems. Try adjusting the acceptable modem carrier drop time. **Cross reference** Acceptable modem carrier drop time - G3 Switch 0A, bits 0 and 1
0-23	Too many errors during reception	Check the line connection. Check the FCU - NCU connectors. Replace the NCU or FCU. Defective remote terminal. Check for line noise or other line problems. Try asking the other end to adjust their tx level. Try adjusting the rx cable equalizer setting and/or rx error criteria. **Cross reference** Rx cable equalizer - G3 Switch 07 (PSTN) Rx error criteria - Communication Switch 02, bits 0 and 1
0-24	Printer failure occurred while the memory was full during non-ECM reception; negative response returned	There is no memory space available, or substitute reception is disabled. Try changing the post-message command tx timing. Try asking the user to add optional extra memory. **Cross reference** Post-message command tx timing -

Code	Meaning	Suggested Cause/Action
0-30	The other terminal did not reply to NSS(A) in AI short protocol mode	Check the line connection. Check the FCU - NCU connectors. Try adjusting the tx level and/or cable equalizer settings. The other terminal may not be compatible. **Cross reference** Dedicated tx parameters - Section 4-4
0-52	Polarity changed during communication	Check the line connection. Retry communication.
1-00	Document jam	Incorrectly inserted document or unsuitable document type. Check the ADF drive components and sensors. **Cross reference** ADF mechanical problems - Section 7-2-1
1-01	Document length exceeded the maximum	Try changing the maximum acceptable document length. Divide the document into smaller pieces. Check the ADF drive components and sensors. **Cross reference** Max. document length - Scanner switch 00, bits 2 and 3 ADF mechanical problems - Section 7-2-1
1-09	Scanning start position mark not detected (scanning continues as normal)	Clean the start position mark (square black mark) and the area surrounding it. Replace the image sensor. **Cross reference** Book scanner mechanical problem - Section 7-2-2
1-10	Paper at the scan line when the power was turned on.	Remove the paper. Check the scan line sensor. **Cross reference** ADF mechanical problems - Section 7-2-1
1-17	Document jam in the feed-out area	Clear any debris from the sensor actuator. Check the ADF drive components and sensors. **Cross reference** ADF mechanical problems - Section 7-2-1
1-20	Paper did not reach the fusing exit at the end of printing	Remove the paper. Check the printer drive components and sensors. **Cross reference** Printer mechanical problems - Section 7-2-2
1-21	Paper present at the fusing exit after printing	Remove the paper. Check the printer drive components and sensors. **Cross reference** Printer mechanical problems - Section 7-2-2
1-30	Paper ran out during printing	Add paper in the cassette.
1-34	Paper ran out after printing	Add paper in the cassette.
1-71	The cover was opened or the cassette was pulled out during printing	Close the cover or put back the cassette.

Code	Meaning	Suggested Cause/Action
2-10	The modem cannot enter tx mode	Replace the FCU.
2-11	Only one V.21 connection flag was received	Change the FCU.
2-12	Modem clock irregularity	Replace the FCU.
2-20	Abnormal coding/decoding (cpu not ready)	Replace the FCU.
2-50	The machine reset itself	Replace the FCU.
4-00	One page took longer than 8 minutes to transmit	Check for a bad line. Try the communication at a lower resolution, or without halftone. Change the FCU.
4-01	Line current was cut	Check the line connector. Check the connection between FCU and NCU. Check for line problems. Replace the FCU or the NCU.
4-02	The other end cut the received page as it was longer than the maximum limit.	Split the page into smaller pieces, or ask the other end to change their maximum receive length setting, then resend.
4-10	Communication failed because of ID Code mismatch (Closed Network) or Tel. No./CSI mismatch (Protection against Wrong Connections)	Get the ID Codes the same and/or the CSIs programmed correctly, then resend. The machine at the other end may be defective.
5-00	Data reconstruction not possible	Replace the FCU.
5-10	DCR timer expired	Replace the FCU.
5-20	Storage impossible because of a lack of memory	Temporary memory shortage. Test the SAF memory. Replace the FCU or optional IC card.
5-21	Memory overflow	
5-22	Mode table overflow after the second page of a scanned document	Wait for the messages which are currently in the memory to be sent or delete some files from memory.
5-23	Print data error when printing a substitute rx or confidential rx message	Test the SAF memory. Ask the other end to resend the message. Replace the FCU or IC memory card.
5-24	Memory overflow after the second page of a scanned document	Try using a lower resolution setting. Wait for the messages which are currently in the memory to be sent or delete some files from memory.
5-25	SAF file access error	Replace the FCU or IC memory card.
5-30	Mode table for the first page to be printed was not effective	Replace the FCU or IC memory card.

Code	Meaning	Suggested Cause/Action
6-01	G3 ECM - no V.21 signal was received	Try adjusting the rx cable equalizer. Replace the FCU or NCU.
6-02	G3 ECM - EOR was received	
6-03	G3 ECM - non-standard V.21 code received	The other terminal may be defective.
6-04	G3 ECM - RTC not detected	Check the line connection. Check connections from the NCU to the FCU. Check for a bad line or defective remote terminal. Replace the FCU or NCU.
6-05	G3 ECM - facsimile data frame not received within 18 s of CFR, but there was no line fail	Check the line connection. Check connections from the NCU to the FCU. Check for a bad line or defective remote terminal. Replace the FCU or NCU. Try adjusting the rx cable equalizer **Cross reference** Rx cable equalizer - G3 Switch 07 (PSTN)
6-06	G3 ECM - coding/decoding error	Defective FCU. The other terminal may be defective.
6-08	G3 ECM - PIP/PIN received in reply to PPS.NULL	The other end pressed Stop during communication. The other terminal may be defective.
6-09	G3 ECM - ERR received	Check for a noisy line. Adjust the tx levels of the communicating machines. See code 6-05.
6-10	G3 ECM - error frames still received at the other end after all communication attempts at 2400 bps	Check for line noise. Adjust the tx level (use NCU parameter 01 or the dedicated tx parameter for that address). Check the line connection. Defective remote terminal.
6-11	G3 ECM - printing impossible because of a missing first line in the MMR coding	Check for problems in the printer mechanism.
6-21	V.21 flag detected during high speed modem communication	The other terminal may be defective or incompatible.
6-39	V.21 signal not stopped within 6 s	Replace the FCU.
9-07	Paper non-feed or jam at the cassette entrance	If the problem persists, replace the FCU. **Cross reference** Paper non-feed - Section 7-2-2 Jam at the cassette entrance - Section 7-2-2
9-08	Paper jam inside the development area	If the problem persists, replace the FCU. **Cross reference** Paper jam - Section 7-2-2
9-09	Paper jam in the fusing exit area	If the problem persists, replace the FCU. **Cross reference** Paper jam - Section 7-2-2
9-10	Toner end detected	Replace the CTM.

Code	Meaning	Suggested Cause/Action
9-11	Home position not detected in book scanner mode	If the problem persists, replace the FCU. **Cross reference** Charge corona failure - Section 7-3
9-12	Cover open detected during printing	Close the cover, or check the cover sensors.
9-17	Charge corona unit failure	If the problem persists, replace the FCU. **Cross reference** Charge corona failure - Section 7-3
9-20	Laser diode failure	If the problem persists, replace the FCU. **Cross reference** LD failure - Section 7-3
9-22	Fusing lamp failure	If the problem persists, replace the FCU. **Cross reference** Fusing lamp failure - Section 7-3
9-23	Hexagonal mirror motor failure	If the problem persists, replace the FCU. **Cross reference** Mirror motor failure - Section 7-3
9-24	Main motor failure	If the problem persists, replace the FCU. **Cross reference** Main motor failure - Section 7-3
9-80	Bypass feed - paper non-feed or jam at the entrance	Check the registration roller and sensor. **Cross reference** Printer mechanical problems - Section 7-2-2
9-81	Bypass feed - paper length exceeds the maximum limit (600 mm)	Check the paper feed mechanism and sensors. **Cross reference** Printer mechanical problems - Section 7-2-2
9-82	Optional 100 sheet cassette - paper non-feed or jam at the cassette entrance	Check the paper feed mechanism and sensors. **Cross reference** Printer mechanical problems - Section 7-2-2
9-83	Optional 100 sheet cassette - paper length exceeds the maximum limit (600 mm)	Check the paper feed mechanism and sensors. **Cross reference** Printer mechanical problems - Section 7-2-2

4.5. SERVICE RAM ADDRESSES

⚠CAUTION

Do not change the settings which are marked as "Not used" or "Read only."

800001 to 800004(H) - ROM version (Read only)
- 800001(H) - Revision number (BCD)
- 800002(H) - Year (BCD)
- 800003(H) - Month (BCD)
- 800004(H) - Day (BCD)

800005(H) - RAM Reset Level 1
Change the data at this address to 00 (H), then switch the machine off and on to reset all the system settings.
Caution: Before using this RAM, print the settings of all the system parameters (System Parameter List).

800006 to 800016(H) - Machine's serial number (17 digits - ASCII)

800018(H) - Total program checksum (low)
800019(H) - Total program checksum (high)

80001A(H) - Boot program checksum (low)
80001B(H) - Boot program checksum (high)

80001C(H) - Main program checksum (low)
80001D(H) - Main program checksum (high)

80001E(H) - RDS program update counter (hex)

800020 to 80003F(H) - System bit switches
800040 to 80004F(H) - Scanner bit switches
800050 to 80005F(H) - Printer bit switches
800060 to 80007F(H) - Communication bit switches
800080 to 80008F(H) - G3 bit switches

8000A0(H) - User parameter switch 00
Bit 0: Not used
Bits 1, 2 and 3: Scan density home position

Bit	3	2	1	Setting
	0	0	0	Normal
	0	0	1	Lightest
	0	1	0	Darkest
	1	0	1	Lighter
	1	1	0	Darker

Bits 4 and 5: Scanning resolution home position

Bit	5	4	Setting
	0	0	Standard
	0	1	Detail
	1	0	Fine

Bit 6: Transmission mode home position 0: Memory tx, 1: Immediate tx
Bit 7: Halftone home position 0: Disabled, 1: Enabled

8000A1(H) - User parameter switch 01
Bit 0: Auto Image Density home position 0: Off, 1: On
Bit 1: Not used
Bit 2: Copy/Fax key home position 0: Fax, 1: Copy
Bits 3 to 6: Not used
Bit 7: Settings return to home position after transmission 0: Disabled, 1: Enabled

8000A2(H) - User parameter switch 02
Bits 0 to 2: Not used
Bit 3: TSI inclusion in transmitted messages 0: Disabled, 1: Enabled
Bits 4 to 7: Not used

8000A3(H) - User parameter switch 03 (Automatic report printout)
Bit 0: Transmission result report (memory transmissions) 0: Off, 1: On
Bit 1: Not used
Bit 2: Memory storage report0: Off, 1: On
Bit 3: Not used
Bit 4: Polling result report (polling reception)0: Off, 1: On
Bit 5: Transmission result report (immediate transmissions) 0: Off, 1: On
Bit 6: Not used
Bit 7: TCR (Journal) 0: Off, 1: On

8000A4(H) - User parameter switch 04
Bits 0 to 6: Not used
Bit 7: Inclusion of a sample image on reports0: Off, 1: On

8000A5(H) - User parameter switch 05
Bit 0: Substitute reception0: Off, 1: On
Bit 1: Memory reception if no RTI or CSI received 0: Possible, 1: Impossible
Bits 2 to 5: Not used
Bit 6: Fusing lamp during the energy saver mode
0: Lamp of, 1:Standby temperature (80 °C)
Bit 7: Not used

8000A6(H) - User parameter switch 06
Bit 0: TTI0: Off, 1: On
Bits 1 to 7: Not used

8000A7- 8000A9(H) - User parameter switch 07 to 09
Bits 0 to 7: Not used

8000AA(H) - User parameter switch 10
Bits 0 to 6: Not used
Bit 7: Halftone type0: Error diffusion, 1: Dither

8000AB(H) - User parameter switch 11
Bits 0 to 7: Not used

8000AC(H) - User parameter switch 12
Bits 0, 1: Not used
Bit 2: Toner saving mode0: Disabled, 1: Enabled
Bits 3 and 4: Printout image density (Fax mode)

Bit	4	3	Setting
	0	0	Normal
	0	1	Lighten
	1	0	Darken
	1	1	Not used

Bits 5 to 7: Not used

8000AD(H) - User parameter switch 13
Bits 0 to 1: PSTN access method from behind a PABX

Bit	1	0	Setting
	0	0	PSTN
	0	1	Loop start
	1	0	Ground start
	1	1	Flash start

Bits 2 to 3: Not used
Bits 4: PC-FAX Default baud rate 0: 2400bps 1: 19200bps
Bits 5 to 7: Not used

8000B1(H) - Maximum number of copies 1 - 99 (BCD)
8000B2(H) - Center erase width 1 - 50 mm (BCD)
8000B3(H) - Border erase width 1 - 50 mm (BCD)

8000B4(H) - User function 62 settings*
Bit 0: Use of the memory card0: SAF, 1: Page memory
Bits 1 to 7: Not used

8000B9(H) - User function 62 settings
Bit 0: Night timer 0: Disabled, 1: Enabled
Bits 1 to 3: Not used
Bit 4: RDS operation 0: Not acceptable
1: Acceptable for the limit specified by
system switch 03
Bits 5 and 6: Not used
Bit 7: Daylight saving time0: Disabled, 1: Enabled

8000BA(H) - User function 62 settings
Bit 0: Not used
Bit 1: Dialing type0: Pulse dialing (10 pps), 1: Tone (DTMF) dialing
Bits 2 to 7: Not used

8000BB(H) - PSTN access number for loop start

Access number	Hex value to program (BCD)
0	F0
⇩	⇩
0	F0
00	00
⇩	⇩
99	99

8000BC(H) - User function 61 settings
Bits 0 to 7: The number of rings when auto mode is selected0 - 99 (BCD)

8000BE(H) - User function 62 settings*
Bits 0 to 3: Not used
Bits 4 to 5: Receive mode home position

Bit 5	4	Setting
0	0	AUTO
0	1	Fax
1	0	Tel
1	1	Not used

Bits 6 to 7: Not used

8000BF(H) - User function 62 settings
Bit 0: PC-FAX reception0: Disabled, 1: Enabled
Bits 1 to 7: Not used

8000C8 to 8000DB(H) - RTI (Max. 20 characters - ASCII) - **Note 1**
8000DC to 8000EF(H) - CSI (Max. 20 characters - ASCII)
8000F0 to 80010F(H) - TTI (Max. 32 characters - ASCII) - **Note 1**
800110(H) - Number of CSI characters (Hex)

Note 1: If the number of characters is less than the maxumum (20 for RTI, 32 for TTI), add a stop code (FF[H]) after the last character.

800111 to 80011F(H) - Service station's fax number (Service function 13)

800120 to 80012E(H) - Own fax number (User function 61)

800140 to 800146(H) - Last power off time (Read only)
800140(H) - Year (BCD)
800141(H) - Month (BCD)
800142(H) - Day (BCD)
800143(H) - 00: Monday, 01: Tuesday, 02: Wednesday, ... , 06: Sunday
800144(H) - Hour
800145(H) - Minute
800146(H) - Second

800150(H) - Optional equipment (Read only)
Bit 0: Memory card 0: Not installed, 1: Installed
Bits 1 to 4: Not used
Bit 5: Optional cassette0: Not installed, 1: Installed
Bits 6 and 7: Not used

The following counters are listed on the System Parameter List. The names used on the system parameter list are given in brackets.

800158 to 80015A(H) - Tx counter (TX)

Address	High	Low
800158(H)	Tens digit	Unit digit
800159(H)	Thousands digit	Hundreds digit
80015A(H)	Millions digit	Ten thousands digit

Note: The following counters have the same data format as above.

80015B to 80015D(H) - Rx counter (RX)

80015E to 800160(H) - Scan counter (SCN)

800161 to 800163(H) - Print counter (PRT)

800164 to 800166(H) - Paper feed counter: standard cassette (MAIN CASSETTE)

80016A to 80016C(H) - Paper feed counter: optional cassette (OPEN CASSETTE)

80016D to 80016F(H) - Paper feed counter: bypass feeder (BY-PASS)

800170 to 800172(H) - ADF counter (ADF)

800173 to 800175(H) - Book scan counter (BOOK)

800176 to 800178(H) - Printer total jam counter (COPY JAM)

800179 to 80017B(H) - Paper jam counter: standard cassette (MAIN CST JAM)

80017F to 800181(H) - Paper jam counter: optional casseete (OPEN CST JAM)

800182 to 800184(H) - Paper jam counter: bypass feeder (BY-PASS JAM)

800185 to 800187(H) - Scanner total jam counter (DOC. JAM)

800188 to 80018A (H) - Fusing exit fam counter (EJECT JAM)

80018B to 80018D(H) - Registration jam counter (PAPER JAM)

80018E to 800190(H) - PM counter (PM)

800191 to 800193(H) - PM call interval: default 30,000 (PM DEFAULT)

800194 to 800196(H) - Copy counter (COPY)

800197 to 800199(H) - OPC (master drum) counter (OPC)

80019A to 80019C(H) - DTM counter (TONER)

80019D to 80019F(H) - PC Tx counter (PC TX)*

8001A0 to 8001A2(H) - PC Rx counter (PC RX)*

8001A3 to 8001A5(H) - PC Scan counter (PC SCN)*

8001A6 to 8001A8(H) - PC purint counter (PC PRT)*

8001DE to 8001ED(H) - Excessive jam call parameters (Refer to section 2.3.* for details)

8001EE to 8001F0(H) - OPC (master drum) replacement interval (default: 20,000 prints)
The machine asks the user to replace the drum at this interval, if bit 5 of system switch 04 is 0.

8001FA to 800223(H) - Night timer period (User function 71)
- 8001FA to 8001FC(H) - Setting #1 for Monday
- 8001FD to 8001FF(H) - Setting #2 for Monday
- 800200 to 800202(H) - Setting #1 for Tuesday
- 800203 to 800205(H) - Setting #2 for Tuesday
- 800206 to 800208(H) - Setting #1 for Wednesday
- 800209 to 80020B(H) - Setting #2 for Wednesday
- 80020C to 80020E(H) - Setting #1 for Thursday
- 800206 to 800211(H) - Setting #2 for Thursday
- 800212 to 800214(H) - Setting #1 for Friday
- 800215 to 800217(H) - Setting #2 for Friday
- 800218 to 80021A(H) - Setting #1 for Saturday
- 80021B to 80021D(H) - Setting #2 for Saturday
- 80021E to 800220(H) - Setting #1 for Sunday
- 800221 to 800223(H) - Setting #2 for Sunday

Program format
First byte - Hour (BCD)
Second byte - Minute (BCD)
Third byte - 00(H): Timer start time, 01(H): Timer end time

80024F to 800254(H) - Last RDS operation (Read only)
- 80024F(H) - Year (BCD)
- 800250(H) - Month (BCD)
- 800251(H) - Day (BCD)
- 800252(H) - Hour
- 800253(H) - Minute
- 800254(H) - Second

800256(H) - Daylight saving time setting (User function 62)

80025C(H) - Transmission monitor volume00 - 07(H)
80025D(H) - Reception monitor volume00 - 07(H)
80025E(H) - On-hook monitor volume00 - 07(H)
80025F(H) - Dial monitor volume00 - 07(H)
800260(H) - Buzzer volume00 - 07(H)
800261(H) - Key acknowledgement tone volume 00 - 07(H)

800262 to 800266(H) - Periodic service call parameters (Refer to section 2.3.2 for details)

80026D to 80026F(H) - Effective term of automatic service calls (Refer to section 2.3.2 for details)

80028E to 80028F(H) - Book mode: scan top margin adjustment
Refer to section 6.11 for details.

800296 to 800297(H) - ADF mode: scan top margin adjustment
800298 to 800299(H) - ADF mode: scan bottom margin adjustment
Refer to section 6.11 for details.

8002A2(H) - Book mode: scan left margin adjustment
8002A3(H) - Book mode: scan left margin adjustment
Refer to section 6.11 for details.

8002AA(H) - Peak hold control during the scanning (only text mode)*
If the original contains solid black data on the top of the page, this data may not be scanned as a black image due to peak hold control. Set this bit to 1 to turn off peak hold control. (initial setting 0)
NOTE: The scanned image tend to become darker when the peak hold control is turned off.
Bit 0 to 5: Not used
Bit 6: Copy mode 0: on, 1: off
Bit 7: Fax mode 0: on, 1: off

80032C(H) - Fusing unit failure
When a service call was caused by a fusing unit failure (code 0X)
When a fusing error occurs, the contents of this RAM are changed to 0X. After fixing the problem, reset the data at this address to 00(H), then restart the machine to clear the service call. (Refer to address 8003A4(H) for other hardware failures.)

80032D(H) - Excessive jam alarm
Bit 3: Scanner excessive jam alarm1: An alarm has occurred
Bit 4: Printer excessive jam alarm1: An alarm has occurred
Either or both of these bits will change to 1 when an excessive jam alarm occurs. Reset each bit to 0 when you have solved the problem. The machine will not be able to detect excessive jams in future if you do not reset these bits.

80033C(H) - Print top margin (standard paper cassette)
800341(H) - Print top margin (optional cassette)
800342(H) - Print top margin (bypass feeder)
800346(H) - Print left margin (standard paper cassette)
80034B(H) - Print left margin (optional cassette)
80034C(H) - Print left margin (bypass feeder)
Refer to section 6.11 for details.

8003A4(H) - Details of the service call (hardware error)
0X(H): Fusing unit failure
1X(H): Charge corona unit failure
21(H): Laser power is out of the specified range
3X(H): Polygonal mirror motor failure
4X(H): Main motor failure
71(H): Home position not detected in book scanner mode

When a service call was caused by a fusing unit failure (codes 0X):
The same code is stored at address 80032C(H).
After fixing the problem, reset the data at address 80032C(H) to 00(H), then restart the machine to clear the service call.

When a service call was caused by another hardware failure:
If the problem remains after restarting the machine (power off/on), fix the hardware problem. The service call condition is cleared after power on.

8003B0(H) - Initial Toner Supply
Bit 3: Initial toner supply 0: Off, 1: On
Whenever the development unit is replaced, do the following procedure.
1. Make sure that the drum, CTM, and the new development unit are correctly installed.
2. Turn on the machine and change this bit to 1.
3. Turn off the machine.
4. Turn on the machine. The machine starts filling up the empty development unit hopper with new toner. (This bit is reset to zero automatically.)
5. Make test copies or test patterns to check the print quality.

800512 to 800522(H) - Scanning contrast threshold*
The smaller the setting, the darker the density.
The settings in between Darkest and Normal, and Lightest and Normal are automatically calculated.

Mode	Text / Photo	Image Density	Initial Settings	Range	Address
Copy	Text	Auto	23	0 - 30	800512
		Darkest	8	0 - 31	800514
		Normal	15	0 - 31	800515
		Lightest	22	0 - 31	800516
	Photo	Darkest	9	0 - 30	800517
		Normal	17	0 - 30	800518
		Lightest	25	0 - 30	800519
Fax	Letter	Auto	19	0 - 30	80051B
		Darkest	13	0 - 31	80051D
		Normal	15	0 - 31	80051E
		Lightest	17	0 - 31	80051F
	Photo	Darkest	6	0 - 30	800520
		Normal	12	0 - 30	800521
		Lightest	18	0 - 30	800522

800523 to 800562 (H) - Scanner Video Processing Parameters
Refer to section 6.11 for details.

800579 (H) - Peak reset value for the peak hold control (only text mode)*
When the original contains solid black data on the top of the page, a higher setting will reduce instances of horizontal white line. (initial setting 40(H))
However, the larger the setting, the darker the image density.

802BB9 to 802D38(H) - Latest 64 error codes (Read only)

One error record consists of 6 bytes of data.

First error record start address - 802BB9(H)
Second error record start address - 802BBF(H)
Third error record start address - 802BC5(H)
: : :
64th error record start address - 802D33(H)

The format is as follows:
1st byte - Minute (BCD)
2nd byte - Hour (BCD)
3rd byte - Day (BCD)
4th byte - Month (BCD)
5th byte - Error code (low) [If the error code is 1-23, 23 is stored here.]
6th byte - Error code (high) [If the error code is 1-23, 01 is stored here.]

803CDE to 803EEF(H) - Latest 10 error communication records

One error communication record consists of 53 bytes. The format is as follows:

1st byte - Header
Bit 0: Communication result0: OK, 1: NG
Bit 1: Document jam 1: Occurred
Bits 2 - 3: Not used
Bit 4: Technical data printout instead of personal codes 0: No, 1: Yes
Bit 5: Type of technical data0: Rx level, 1: Measure of error rate
Bit 6: Error report 0: Not printed, 1: Printed
Bit 7: Data validity 0: Not valid, 1: Valid

2nd to 5th bytes - Date and time when the communication started
2nd byte - Month (BCD)
3rd byte - Day (BCD)
4th byte - Hour (BCD)
5th byte - Minute (BCD)

6th and 7th bytes - Communication time
6th byte - Minutes (BCD)
7th byte - Seconds (BCD)

8th byte - Number of pages transmitted or received (Hex)

9th and 10th bytes - Personal code or number of total/burst error lines
If bit 4 of the 1st byte is 0:
9th byte - Personal code (low - BCD)
10th byte - Personal code (high - BCD)
If bit 4 of the 1st byte is 1:
9th byte - Number of total error lines (Hex)
10th byte - Number of burst error lines (Hex)

11th byte - File number (low - Hex)
12th byte - File number (high - Hex)

13th and 14th bytes - Rx level or measure of error rate
If bit 5 of the 1st byte is 0:
13th byte - Rx level (low - Hex)
14th byte - Rx level (high - Hex)
If bit 4 of the 1st byte is 1:
13th byte - Measure of error rate (low - Hex)
14th byte - Measure of error rate (high - Hex)

15th byte - Final modem rate
Bits 0 to 2: Final modem speed

$$\begin{pmatrix} Bit\ 0 \\ Bit\ 1 \\ Bit\ 2 \end{pmatrix} = \begin{pmatrix} 1 \\ 0 \\ 0 \end{pmatrix} : 2.4k \begin{pmatrix} 0 \\ 1 \\ 0 \end{pmatrix} : 4.8k \begin{pmatrix} 1 \\ 1 \\ 0 \end{pmatrix} : 7.2k \begin{pmatrix} 0 \\ 0 \\ 1 \end{pmatrix} : 9.6k \begin{pmatrix} 1 \\ 0 \\ 1 \end{pmatrix} : 12.0k \begin{pmatrix} 0 \\ 1 \\ 1 \end{pmatrix} : 14.4k$$

Bit 3: Not used
Bits 4 to 6: Final modem type

$$\begin{pmatrix} Bit\ 4 \\ Bit\ 5 \\ Bit\ 6 \end{pmatrix} = \begin{pmatrix} 1 \\ 0 \\ 0 \end{pmatrix} : V.27ter \begin{pmatrix} 0 \\ 1 \\ 0 \end{pmatrix} : V.29 \begin{pmatrix} 1 \\ 1 \\ 0 \end{pmatrix} : T.B.D.$$

Bit 7: Not used

16th byte to 35th byte - Remote terminal's ID (RTI, TSI or CSI) (ASCII)

36th byte - Communication mode #1
Bits 0 - 1: Resolution used

$$\begin{pmatrix} Bit\,0 \\ Bit\,1 \end{pmatrix} = \begin{pmatrix} 1 \\ 0 \end{pmatrix} : Standard, \begin{pmatrix} 0 \\ 1 \end{pmatrix} : Detail, \begin{pmatrix} 1 \\ 1 \end{pmatrix} : Fine$$

Bit 2: Not used
Bit 3: ECM 0: Off, 1: On
Bits 4 to 7: Communication mode used

$$\begin{pmatrix} Bit\,4 \\ Bit\,5 \\ Bit\,6 \\ Bit\,7 \end{pmatrix} = \begin{pmatrix} 0 \\ 0 \\ 0 \\ 0 \end{pmatrix} : Normal \begin{pmatrix} 1 \\ 0 \\ 0 \\ 0 \end{pmatrix} : Confidential \begin{pmatrix} 0 \\ 1 \\ 0 \\ 0 \end{pmatrix} : Polling \begin{pmatrix} 1 \\ 1 \\ 0 \\ 0 \end{pmatrix} : Transfer$$

$$\begin{pmatrix} Bit\,4 \\ Bit\,5 \\ Bit\,6 \\ Bit\,7 \end{pmatrix} = \begin{pmatrix} 0 \\ 0 \\ 1 \\ 0 \end{pmatrix} : Forwarding \begin{pmatrix} 1 \\ 0 \\ 1 \\ 0 \end{pmatrix} : \begin{matrix} Automatic \\ Service\ Call \end{matrix}$$

37th byte - Communication mode #2
Bit 0: Tx or Rx 0: Tx, 1: Rx
Bit 1: Reduction in Tx 0: Not reduced, 1: Reduced
Bit 2: Batch transmission 0: Not used, 1: Used
Bit 3: Send later transmission 0: Not used, 1: Used
Bit 4: Transmission from 0: ADF, 1: Memory
Bits 5 to 7: Not used

38th byte - Number of errors during communication (Hex)

39th to 41st byte - 1st error code and page number where the error occurred
39th byte - Page number where the error occurred (Hex)
40th byte - Error code (low - BCD)
41st byte - Error code (high - BCD)
42th to 44th byte - 2nd error code and page number where the error occurred
45th to 47th byte - 3rd error code and page number where the error occurred
48th to 50th byte - 4th error code and page number where the error occurred
51st to 53rd byte - 5th error code and page number where the error occurred

FB0006 to FB000E(H) - ROM part number and suffix (ASCII)