

MODIFICATION INSTRUCTIONS

for the

***KODAK X-Omatic* MULTILOADER 300**

Service Code 3058

MODIFICATION No. 46

Type 1 REQUIRED

PURPOSE:

To upgrade the operating software from version 3.00 or higher to 3.31.

IMPORTANT : Use qualified service personnel to install this modification !

SERIAL NUMBERS : all SERIAL NUMBERS < 3000

INSTALLATION TIME : Approx. 0.5 hours

SPECIAL TOOLS :LAP TOP COMPUTER
DATA CABLE TL4391

PARTS REQUIREMENTS : MOD KIT #46 PN 9229216

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PARTS LIST

PART NUMBER	DESCRIPTION	QTY
9229216	MODIFICATION KIT No 46 consists of:	
MA 3058-46	MODIFICATION INSTRUCTIONS	1
9219216	OPERATING AND LANGUAGE SOFTWARE V 3.31	1
G9904216	CES SERVICE SOFTWARE Version 3.30	1
8997244	MODIFICATION LABEL	1

INTRODUCTION

NOTE

It is most important that prior to the download of the new OPERATING SOFTWARE the new CES SERVICE SOFTWARE Version 3.30 is installed on the LAP TOP. Without this new CES SERVICE SOFTWARE it is not possible to set the new PARAMETERS. In addition the new CES SERVICE SOFTWARE can handle COM1: and COM2: of the LAP TOP COMPUTER and the OPERATING SOFTWARE DOWNLOAD PROBLEMS which existed with the previous version are eliminated. For further details see the README.TXT file on DISK 1.

OPERATING SOFTWARE version 3.31.

This is the summary of the changes to OPERATING SOFTWARE Version 3.25. The error code display shown below was already part of OPERATING SOFTWARE Version 3.26

ERROR CODES

To ease the error code recording, the display of the error code is improved.

Old type of error CODE:

0069000000

New Type of ERROR CODE:

S C M I P

00 69 00 00 00

The letter above the error code is the abbreviation of the associated unit. The error code shown above should be recorded as C69.

LETTER	UNIT
S	SYSTEM UNIT
C	CASSETTE UNIT
M	MAGAZINE UNIT
I	INTERFACE UNIT
P	PROCESSOR

FUNCTION CASSETTE OPEN/RETURN

The function to return an empty CASSETTE open can be disabled with a PARAMETER. To disable it SERVICE SOFTWARE 3.30 or higher is required. The name of this PARAMETER is:

CASS OPEN RETURN.

The following settings are possible:

00 = An empty CASSETTE is closed before it is transported out.

01 = An empty CASSETTE will be returned open.

NOTE

In case of CASSETTE RETURN problems set this PARAMETER to 00.

DOUBLE FILM DETECTION

The DOUBLE FILM DETECTOR of the XML300s with SN > 3000 is able to discriminate between :

no FILM
1 FILM
more than 1 FILM

NOTE

During installation set the PARAMETER DOUBLE SHEET DET as follows. To select it SERVICE SOFTWARE 3.30 or higher is required.

PARAMETER DOUBLE SHEET DET	
XML300 SN > 3000	00
XML300 SN < 3000	01

CASSETTE SIZE DETECTION

The CASSETTE SIZE DETECTION is improved. Error CD7 (a none existing CASSETTE SIZE was detected) should no longer occur.

MESSAGES

The message "TANK FILL ENABLED" will be erased as soon as the tanks are filled.

The messages "REPLENISHMENT MODE IS AUTOMATIC" or "REPLENISHMENT MODE IS FLOODED" will be displayed if the REPLENISHMENT SCREEN is selected.

A new message in Japanese for "CASSETTE NOT LOADED" is implemented.

PARAMETER LOWER POCKET

If a MAMMO CASSETTE is detected, the value of parameter LOWER POCKET is reduced by 11.

INFORMATION TO SOFTWARE DOWNLOAD

When the OPERATING is downloaded, the PARAMETERS from the XML300 will be saved on the HARD DISK of the LAP TOP. This is done automatically by the SERVICE SOFTWARE (use Version 3.30). After the software for the SYSTEM UNIT is downloaded, the PARAMETERS are written back to the XML300 and the software download continues.

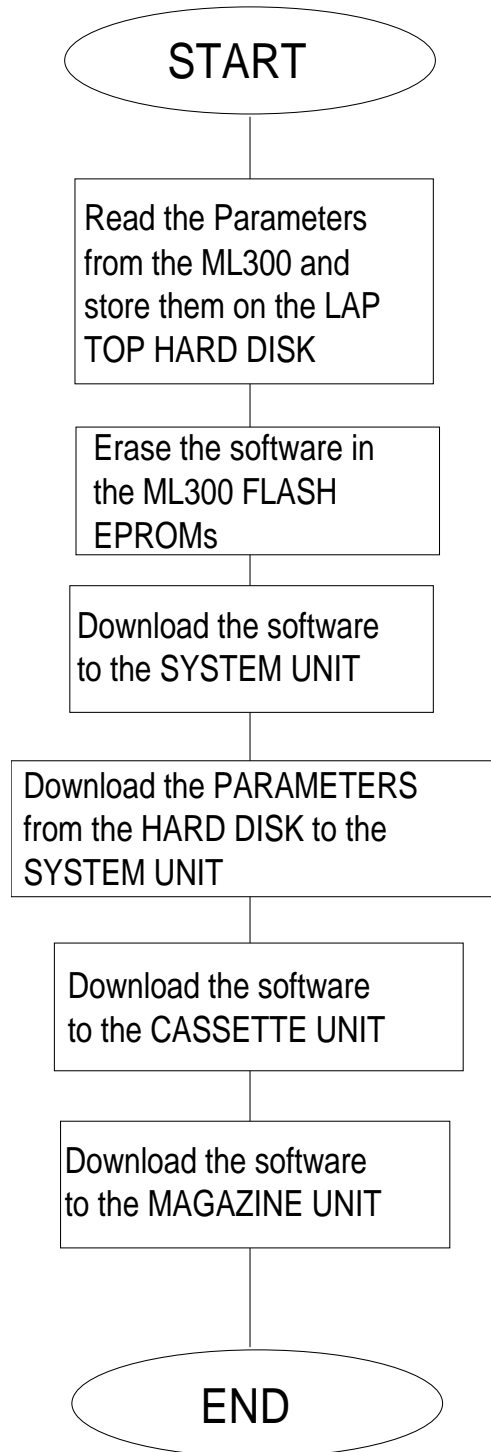


figure 1

INSTALLATION

INSTALLATION OF THE OPERATING SOFTWARE 3.31

NOTE 1

To successfully install this modification the XML300 must have OPERATING SOFTWARE 3.0 or higher. Older versions used a different BOOT EPROM. The CES SERVICE SOFTWARE Version 3.30 must be installed on the LAP TOP COMPUTER.

NOTE 2

If the software is not successfully downloaded try it again. If the problem persists, try to locate the problem by replacing the MICRO PROCESSOR BOARDS. If during the software update an error code ex0 to ex42 is displayed, see the chapter ADDITIONAL MESSAGES page 2-3 and 2-4 in the DIAGNOSTICS MANUAL DG 3058 12/92.

1. Download the OPERATING SOFTWARE to the HARD DISK of the LAP TOP.

Switch on the LAP TOP COMPUTER

Insert the OPERATING AND LANGUAGE SOFTWARE DISKETTE into DRIVE A:

Key in A: press ENTER

Key in INSTALL press ENTER

2. After the OPERATING SOFTWARE is successfully loaded to DRIVE C:, take out the DISKETTE and store it in a safe place.

3. Switch back to DRIVE C:

Key in C: press ENTER

4. Connect the LAP TOP to the rear connector of the XML300.

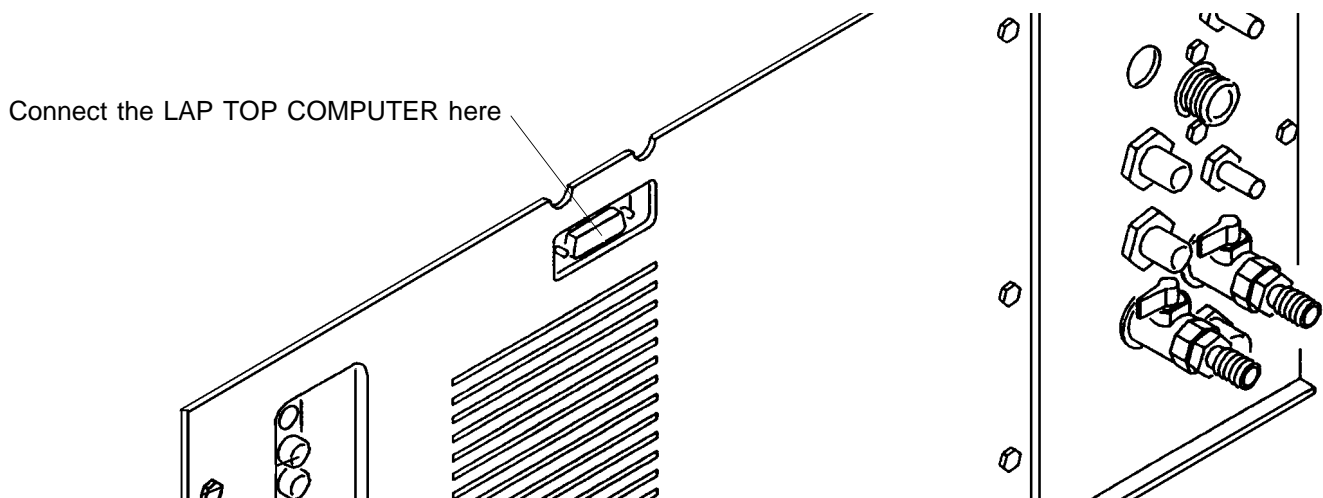


figure 2

5. Switch on the XML300.

6. Start the SERVICE SOFTWARE.

Key in **CD\XML300** press ENTER

Key in **START** press ENTER

Select **SERVICE MODE** from the **GLOBAL MENU** press ENTER

7. Download the OPERATING SOFTWARE from DRIVE C: to the XML300.

Select **INSTALLATION** from the **MAIN MENU** press ENTER

Select **SOFTWARE UPDATE** from the menu **INSTALLATION** press ENTER

Select the desired languages (up to 4) press ENTER

NOTE

Always select your own language first to override the default languages. The selected languages are marked with an asterisk.

NOTE

The following languages are the default languages:

1. GERMAN
2. FRENCH
3. SPANISH
4. ENGLISH

If no language is selected, the 4 above mentioned languages are downloaded. ENGLISH as language No. 4. If less than 4 languages are selected, the selected languages are downloaded plus the remaining default languages.

Example

Selected language is ENGLISH

Downloaded languages:

1. ENGLISH (selected)
2. FRENCH (default)
3. SPANISH (default)
4. ENGLISH (default)

Select **SOFTWARE UPDATE** press ENTER

Key in **YES** press ENTER

8. The software of the SYSTEM UNIT is now updated. The amber and the red LED at the OPERATOR DISPLAY are flashing alternately. After the software of the SYSTEM UNIT is downloaded, the error code 00 00 00 00 00 is displayed and the green LED on PCB A1 is switched on.

9. The software of the CASSETTE UNIT is now updated. The red LED on PCB A8 is flashing.

10. The software of the MAGAZINE UNIT is now updated. The red LED on PCB A4 is flashing.

The complete operating software is downloaded and the red LED at the OPERATOR CONTROL PANEL is switched on.

11. Switch off the XML300.
Wait 5 seconds.
Switch on the XML300 again.

13. Exit the SOFTWARE UPDATE PROGRAM.

Press any key on the LAP TOP

Select RETURN from SOFTWARE UPDATE press ENTER

14. Exit the SERVICE PROGRAM.

Press BACKSPACE twice

Select QUIT XML300 SERVICE MODE press ENTER

Select Quit the program press ENTER

FINAL TEST

1. Disconnect the LAP TOP COMPUTER from the XML300.
2. Run several cycles with various cassette sizes.
3. Circle No. 46 on the MODIFICATION LABEL.
4. If the MODIFICATION LABEL in the XML300 does not have MOD 46 on it, add the LABEL from the MOD KIT.

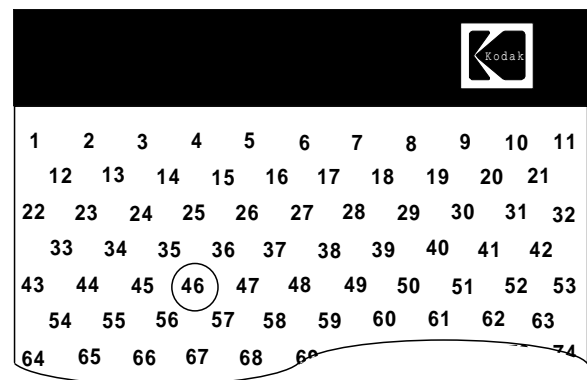


figure 3