

**MP250 / MP258
MP270 / MP276
MP490 / MP496
SERVICE REFERENCE MANUAL**

In this manual, only the differences from the base machines, MP240 / MP245, MP260 / MP268, and MP480 / MP486, are given. For other information, refer to the "*MP240 / MP245, MP260 / MP268, MP480 / MP486 Simplified Service Manual*" (QY8-13BV-010).

**QY8-13CK-000
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1. LIST OF ERROR DISPLAY / TROUBLESHOOTING

1-2. Service Call Error (Cyclic Blinking in Orange (Alarm LED) and Green (ON LED))

Cycles of blinking in orange and green	Error	Error code	*1	Conditions	Solution (Replacement of listed parts, which are likely to be faulty)
20 times	Other hardware error	[6500]	P20		Replace the following item: - Logic board
22 times	Scanner motor error	[5012]	P22	The scanner motor is faulty.	Replace the following items: - Scanner unit - Logic board

*1: MP250 / MP258 and MP270 / MP276 only

2. ADJUSTMENT / SETTINGS

2-1. Service Mode

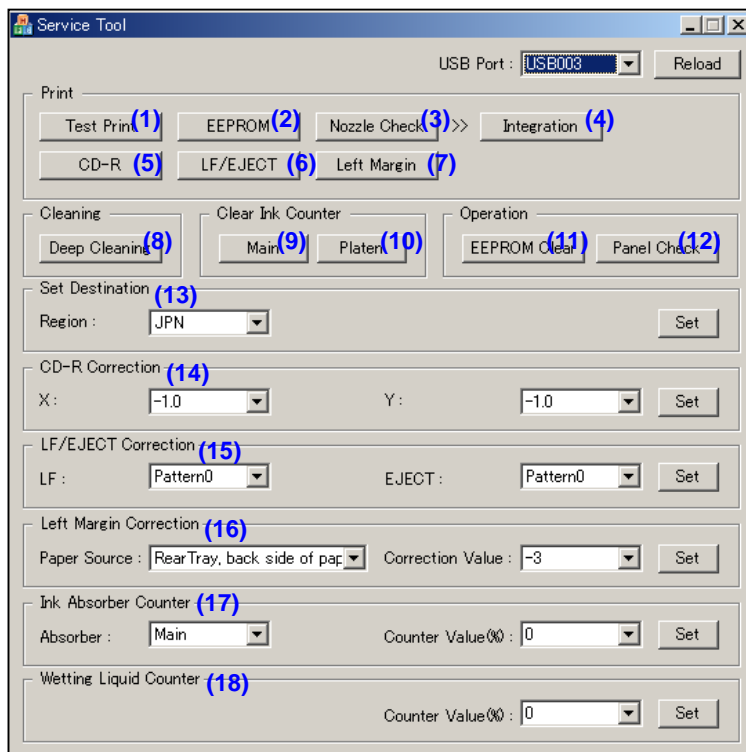
< Service mode operation procedures >

Use the Service Tool (version 1.05) on the connected computer.

The procedures are the same as the base machines.

- MP250 / MP258: Same as the MP240 / MP245
- MP270 / MP276: Same as the MP260 / MP268
- MP490 / MP496: Same as the MP480 / MP486

< Service Tool version 1.05 functions >



New functions in version 1.05: (3) Nozzle check pattern print
(4) Unified inspection pattern print

No.	Name	Function	Remarks
(1)	Test Print	Service test print	Service test print items: <ul style="list-style-type: none"> - Model name - ROM version - Ink absorber counter value (ink amount in the ink absorber) - USB serial number - Destination - EEPROM information - Barcode (model name + destination), etc.
(2)	EEPROM	EEPROM information print	The dialog box opens to select the paper source. Select Rear tray , and click OK . EEPROM information print items: <ul style="list-style-type: none"> - Model name - Destination - ROM version - Ink absorber counter value (ink amount in the ink absorber) - Print information - Error information, etc.
(3)	Nozzle Check	Nozzle check pattern print	The user nozzle check pattern is printed.
(4)	Integration	Unified inspection pattern print	The following printing is performed successively: <ul style="list-style-type: none"> - Service test print - EEPROM information print - Unified inspection pattern print
(5)	CD-R	CD-R check pattern print	Not used.
(6)	LF/EJECT	LF/Eject correction pattern print	Not used.
(7)	Left Margin	Left margin pattern print	Not used.
(8)	Deep Cleaning	Print head deep cleaning	Cleaning of Black and Color at the same time
(9)	Main	Main ink absorber counter reset	Set a sheet of A4 or Letter sized paper. After the ink absorber counter is reset, the counter value is printed automatically.
(10)	Platen	Platen ink absorber counter reset	Not used.
(11)	EEPROM Clear	EEPROM initialization	The following items are NOT initialized, and the shipment arrival flag is not on: <ul style="list-style-type: none"> - Destination settings - Ink absorber counter value (ink amount in the ink absorber) - USB serial number - Ink cartridge region code - Record of ink absorber counter resetting and setting - Record of repair at the production site, etc.

No.	Name	Function	Remarks
(12)	Panel Check	Button and LCD test	Refer to the "MP240 / MP245, MP260 / MP268, MP480 / MP486 Simplified Service Manual."
(13)	Set Destination	Destination settings	Select the destination, and click Set . ASA, AUS, BRA, CHN, CND, EUR, JPN, KOR, LTN, TWN, USA
(14)	CD-R Correction	CD / DVD print position correction	Not used.
(15)	LF/EJECT Correction	LF / Eject correction value setting	Not used.
(16)	Left Margin Correction	Left margin correction value setting	Not used.
(17)	Ink Absorber Counter	Ink absorber counter value setting	Refer to the "MP240 / MP245, MP260 / MP268, MP480 / MP486 Simplified Service Manual."
(18)	Wetting Liquid Counter	Wetting liquid counter setting	Not used.

2-2. User Mode

Function	Procedures	Remarks
Automatic print head alignment (by scanning the printed alignment pattern)	Perform via the machine operation panel, or from the MP driver Maintenance tab.	Set a sheet of A4 or Letter sized plain paper.

< Automatic print head alignment >

The printer performs print head alignment just by scanning the printed alignment pattern as-is.

Available print head alignment methods:

	2008 models		2009 models	
	MP240/MP245 MP260/MP268	MP480/MP486	MP250/MP258 MP270/MP276	MP490/MP498
Operation panel	Automatic	Manual	Automatic	Automatic
MP driver Maintenance tab	Automatic / Manual	Manual	Automatic / Manual	Automatic / Manual