Panasonic®

Service Manual

Digital Camera

Model No. **DMC-FZ1000GA**

DMC-FZ1000GK

Colour
(K)-------Black Type

Simplified

LUMIX

SD XC U3 I   PictBridge USB LAN WLAN   WiFi CERTIFIED

AVCHD ™ Progressive   Wi-Fi PROTECTED SETUP

dlna CERTIFIED ™

LUMIX

Please use this manual together with the other documents for

Model No.DMC-FZ1000P/PC/PU/EB/EE/EF/EG/EP/GN : Order No.DSC1407014CE

⚠ **WARNING**

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service
or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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1 Introduction

This Service Manual contains technical information which will help service personnel to understand and service the Digital Camera DMC-FZ1000GA/GW.

The Digital Camera DMC-FZ1000GA/GW has been developed based on DMC-FZ1000PU.

Since this Service Manual does not cover the same part which is already described in the Service Manual for DMC-FZ1000PU,

when servicing, refer to the descriptions in the Service documents for

DMC-FZ1000P/PC/PU/EB/EE/EF/EG/EP/GN Order No.DSC1407014CE

NOTE:

Compared with DMC-FZ1000PU, the different parts are only the ones in the "Packing Parts & Accessories Section."

2 Service Navigation

2.1 How to Define the Model Suffix (NTSC or PAL model)

There are six kinds of DMC-FZ1000 regardless of the colours.

- a) FZ1000 (Japan domestic model)
- b) FZ1000P/PC
- c) FZ1000EB/EF/EG/EP
- d) FZ1000EE
- e) FZ1000GN
- f) FZ1000GK
- g) FZ1000PU/GA

What is the difference is that the "Initial Settings" data which is stored in Flash-ROM mounted on Main P.C.B..

2.1.1 Defining methods:

To define the model suffix to be serviced, refer to the nameplate which is putted on the bottom side of the unit.

a) DMC-FZ1000 (Japan domestic model)
The nameplate for this model shows the following Safety registration mark.

b) DMC-FZ1000P/PC
The nameplate for these models show the following Safety registration mark.

c) DMC-FZ1000EB/EF/EG/EP
The nameplate for these models show the following Safety registration mark.

d) DMC-FZ1000EE
The nameplate for this model shows the following Safety registration mark.

e) DMC-FZ1000GN
The nameplate for this model shows the following Safety registration mark.

f) DMC-FZ1000GK
The nameplate for this model shows the following Safety registration mark.

g) DMC-FZ1000PU/GA
The nameplate for these models do not show any above Safety registration mark.

NOTE:

After replacing the Main P.C.B., be sure to achieve adjustment.

2.1.2 Initial Settings:

After replacing the Main P.C.B. and/or Flash-ROM, make sure to perform the initial settings after achieving the adjustment by ordering the following procedure in accordance with model suffix of the unit.

1. Important Notice:

Before proceeding Initial settings, make sure to read the following CAUTION.

<div style="border:1px solid black;">

CAUTION :(Initial Settings)

--- After Replacing The Main P.C.B. and/or Flash-ROM ---

[Except "EB/EF/EG and EP" models]

*. The model suffix can be chosen **JUST ONE TIME.**
(Effective model suffix : "P/PC/PU/EE/GN/GA/GK and NONE(JAPAN)")

*. Once one of the model suffix has been chosen, the model suffix lists will not be displayed, thus, it can not be changed.

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2. Procedures:

- Precautions: Read the above "CAUTION" carefully.

- Preparation:

  Attach the fully charged Battery, and insert the memory card (32MB or more).

  Remove the lens cap.

- **Step 1. The Temporary Cancellation of "Initial Settings":**

  Set the [Mode dial] to "[P](Program AE mode)" and [Drive mode dial] to "Single".

  While pressing [DISP.] button and [AF/AE LOCK] button simultaneously, turn the power on.

- **Step 2. The Cancellation of "Initial Settings":**

  Press the [Playback] button in order to enter the [Playback] mode.

  Press [AF/AE LOCK] button and "[UP] of Cursor buttons" simultaneously, then turn the power off.

  The LCD displays the " ! " mark before the unit powers down.

- **Step 3. Turn the Power on:**

  Set the mode dial to "[P] (Program AE mode)", then turn the power on.

- **Step 4. Display the Initial Settings:**

  While pressing [MENU/SET] button and "[RIGHT] of Cursor buttons" simultaneously, turn the power off.

  The "Initial Settings" menu is displayed.

  When Main P.C.B. has just been replaced. 8 model suffixes are displayed as follows. (Two pages in total)

- **Step 5. Choose the model suffix in "Initial Settings": (Refer to "CAUTION")**

  [Caution: After replacing Main P.C.B. and/or Flash-ROM]

  The model suffix can been chosen, **JUST ONE TIME** .

  Once one of the model suffix have been chosen, the model suffix lists will not be displayed, thus, it can not be changed.

  Therefore, select the area carefully.

  Select the area with pressing "[UP] / [DOWN] of Cursor buttons".

- **Step 6. Set the model suffix in "Initial Settings":**

  Press the "[RIGHT] of Cursor buttons".

  The only set area is displayed, and then press the "[RIGHT] of Cursor buttons" after confirmation.

  (The unit is powered off automatically.)
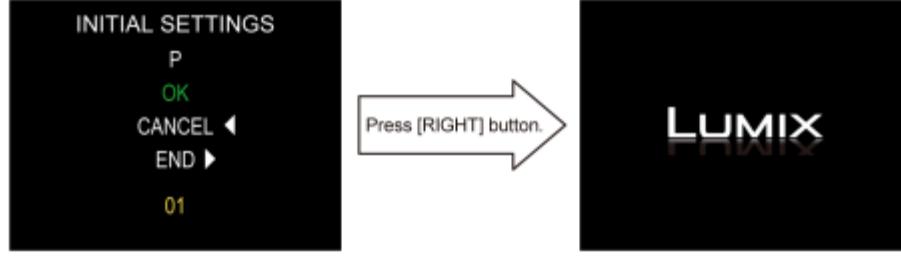
- **Step 7. Confirmation:**

  Confirm the display of "PLEASE SET THE CLOCK" in concerned language when the unit is turned on again.

  When the unit is connected to PC with USB cable, it is detected as removable media.

As for your reference, major default setting condition is as shown in the following table.

- **Default setting (After "Initial Settings")**

	MODEL	VIDEO OUTPUT	LANGUAGE	DATE	REMARKS
a)	DMC-FZ1000GA	PAL	English	Date/Month/Year	
b)	DMC-FZ1000GK	PAL	Chinese (simplified)	Year/Month/Date	

3 Replacement Parts List

Note: 1. * Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE
   Components identified with the mark ⚠ have the special characteristics for safety.
   When replacing any of these components, use only the same type.
3. Unless otherwise specified,
   All resistors are in OHMS, K=1,000 OHMS. All capacitors are in MICRO-FARADS (uf), P=uuF.
4. The marking (RTL) indicates the retention time is limited for this item. After the discontinuation
   of this assembly in production, it will no longer be available.
5. Supply of CD-ROM, in accordance with license protection, is allowable as replacement parts
   only for customers who accidentally damaged or lost their own.

E.S.D. standards for Electrostatically Sensitive Devices, refer to PREVENTION OF
ELECTROSTATIC DISCHARGE (ESD) TO ELECTROSTATICALLY SENSITIVE (ES) DEVICES
section.
Definition of Parts supplier:
   1. Parts marked with [PAVCX] in the remarks column are supplied from PAVCX.
      Others are supplied from AVC-CSC-SPC.

[Packing Parts and Accessories Section]

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
200	VYF3522	HOT SHOE COVER	1	[PAVCX]
201	SPF0020	CAMERA BAG	1	
202	SPK0002	PACKING CASE	1	GA
202	SPK0034	PACKING CASE	1	GK
203	SPN0066	CUSHION A	1	
204	SPN0067	CUSHION B	1	
⚠ 205	DE-A80BE	BATTERY CHARGER	1	
206	K1HY08YY0031	USB CABLE W/PLUG	1	
⚠ 207	-----	BATTERY PACK	1	
⚠ 208	SFM0069	DVD(SOFT/INSTRUCTION BOOK)	1	GA See "Notes"
⚠ 208	SFM0070	DVD(SOFT/INSTRUCTION BOOK)	1	GK See "Notes"
⚠ 209	SQT0628	BASIC O/I (ENGLISH)	1	GA
⚠ 209	SQT0629	BASIC O/I (CHINESE(TRADITIONAL))	1	GA
⚠ 209	SQT0630	BASIC O/I (VIETNAMESE)	1	GA
⚠ 209	SQT0631	BASIC O/I (CHINESE(SIMPLIFIED))	1	GK
210	VPF1545	BAG, POLYETHYLENE	1	
211	SYQ0081	LENS HOOD	1	
212	SYQ0103	LENS CAP	1	
213	VFC4453	SHOULDER STRAP	1	
⚠ 214	K2CQ2YY00082	AC CORD W/PLUG	1	GA
⚠				

| 214 | K2CA2YY00130 | AC CORD W/PLUG | 1 | GK |