

# TECHNICAL REPORT

ENGLISH

**PENTAX MZ-3** QUARTZ  
DATE



**Product No. 2 7 3 7 0 M Z - 3 QUARTZ DATE (Silver)**

**Product No. 2 7 3 7 1 M Z - 3 QUARTZ DATE (Black)**

## Outline:

MZ-3 has been marketed in Japan and a few overseas. The difference of MZ-3's specifications from MZ-5N (Prod.No.27380) is a shutter speed range – up to 1/4000 seconds.

Disassembly and assembly procedures for MZ-3 are almost the same as MZ-5N. The differences for MZ-3's service works from MZ-5N are Shutter block, Top cover and their related parts.

The only exclusive notice of assembly for MZ-3 is mentioned below.

For others, refer to the technical report for MZ-5N, the service manual for MZ-5 (Prod.No.27250) and the distributing wires on the service parts list for MZ-3.

### 1. Shutter speed adjustment at 1/4000 seconds

When replacing the main P.C.board (0-T100) or the shutter block (0-E000), check and adjust the shutter speed at 1/4000 seconds with the programed software.

【 Required equipment 】 Shutter tester for 1/4000 sec.

Equipment for programed software (used in common with MZ-5N)

#### 1-1) Using the programmed software for 27370, check and adjust by following the flow chart.

Select the type of shutter tester as shown in the display below.

***** SHUTTER SPEED ADJUSTMENT *****	
SHUTTER TESTER FOR 1/4000 SEC.	---[1]
SHUTTER TESTER [MODEL EF-5000]	---[2]
MAIN MENU	---[3]

If using a shutter tester for 1/4000 seconds, press key "1".

(Example: Model EF-8000, 7DF-A50A1 for 645 camera, etc.)

If using the shutter tester EF-5000 (can be checked 1/4000 seconds on EE-mode) or equivalent, press key "2".

And then following the flow chart, release the shutter several times at 1/4000 sec. and input data by reading the shutter speed (or EV) on the shutter tester. Refer to the flow chart on the next page.

#### 1-2) Preparation for the shutter testers

##### a) Model 7DF-50A1

【 Required equipment 】

Light receiving unit (35mm SLR) for 7DF, Exposure master lens (ML-245), Light source for LV16

1) Set the master lens to F4.

2) Set the light source to LV16.

3) Set the light receiving unit to vertical position which is the direction for moving the shutter.

4) Set the shutter tester to "EXP".

【 Note 】 When replacing the light receiving unit, turn power off on the shutter tester.

##### b) Model EF-5000

1) Set the shutter tester to LV15 and "EE"-mode (ISO100, K14.03).

2) Attach the exposure master lens (ML-245) onto the camera.

3) Set the exposure master lens to F2.

\*For other shutter testers, refer to each of the operating manuals.

### 2. Testers, jigs and tools

Testers, jigs and tools for MZ-3 are used in common with MZ-5N.

### 3. PROGRAM SOFTWARE FLOW CHART

