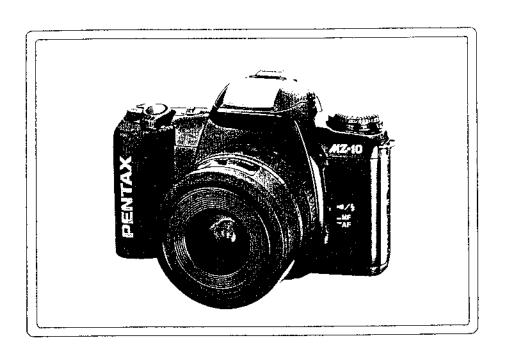
PENTAX®

Service Manual

ENGLISH

MZ-10 QUARTZ DATE



PRODUCT No. 27260 MZ-1 O QUARTZ DATE

PRODUCT No. 27264 Z X - 1 O

PRODUCT No. 27266 MZ-1 O

PRODUCT No. 27268 Z X - 1 O QUARTZ DATE

REFERING MUNICAL

MCLUNES

LOCATION QUANTITY DELIVERY#

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(C) Asahi Optical Co., Ltd. Service Engineering Section.

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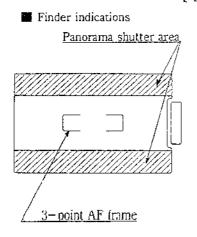
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[SPECIFICATIONS]

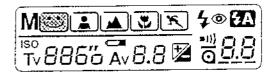
Туре	∽TTL autofocus, auto-exposure 35mm SLR with built-in TTL auto flash (RTF)		
* *	-24x36mm (approx. 13x36 in panorama format)		
Usable Film	-35mm perforated cartridge film, DX-coded film with ISO 25-5000; ISO 6-6400 when manually set		
Exposure Modes	-Smart Picture Mode, Picture Mode (Green Operation Mode, Portrait Program Mode, Landscape Program Mode, Close-up Program Mode, Action Program Mode), Shutter-Priority AE Mode, Aperture-Priority AE Mode, Metered Manual Mode, Bulb Mode, TTL Flash Mode		
	Electronically controlled vertical-run focal-plane shutter. Electromagnetic release. Speed range: (1) Auto 1/2000-30 sec. (stepless). (2) Manual 1/2000-30 sec. (3) Bulb, Shutter lock by setting Main switch in OFF position.		
Lens Mount	Pentax Kwa bayonat mount (K-mount with AF coupler, lens information contacts and power contacts)		
	—Pentax Kwe, Kwe, And K-mount lenses are usable. Autofocus is possible using AF Adapter with Ka-mount lenses.		
Autofocus System	-TTL phase-matching multi(3-point) autofocus system, AF operational brightness range; EV-1 to 19(at ISO 100 with i /1.4 lens). Focus lock available using shutter release button. Focus Mode: AF (predictive AF provided), Manual [MF]		
	-3-Speed intelligent Power Zoom lens with built-in motor with FA zoom lens		
Vlewfinder	Pentamirror finder, Natural-Bright-Matte focusing screen, Field of view:92%, Magnification:0.77X(with 50mm lens at ∞), Diopter: -1 diopter, Panorama format frame		
	-Focus Information: In-focus (Green lamp [○] is lit), front or back focus signals and unable-to-focus indicator (Green lamp blinks), Shutter speed indication, Aperture indication, Flash ready indication [‡], is lit, Bar graph(exposure compensation),Over or Under exposure indication in Metered Manual Mode. [愛] exposure compensation indication, Green Operation Mode [量], Portrait Program Mode [日], Landscapa Program Mode [日], Close-up Program Mode [日], Action Program Mode [日]		
External LCD panel—Indication	- [M] = Metered Manuai Mode, [
Self-timer	Electronically-controlled type with delay time of 12 sec. Start by depressing of shutter release button, Operation confirmation: By PCV beep tone. Cancelable after operation		
Mirror	Instant-return mirror with AF secondary mirror		
Film Wind & Rewind	Film advances automatically to 1st frame after back cover is closed. Film information window is provided —Auto wind/rewind by built-in motor. Consecutive or Single advance mode. Approx.2 frames/sec.(consecutive mode). Auto rewinding starts at end of roll, Film rewind/completion of rewinding is displayed on the LCD panel. Mid-roll rewind button will rewind film in mid-roll		
Exposure Meter	-TTL multi(6)-segment metering, Metering range from EVO to EV21 at ISO100 with 50mm f / 1.4 lens in: ± 3EV in 0.5EV step increments		
Flash	m: 1 32 via 0.32 step intertients. Series-control, Retractable TTL Auto Flash (RTF), Guide number: 11 (ISO100/m), Illumination angle covers 28mm lens angle of view, Flash-sync-speed in the range from 1/100 sec, to a slower speed, Day-light-sync flash, Slow-speed-sync flash, Contrast-control flash (ISO range = 25 - 400), Automatic flash function, Red-eya reduction flash function		
Flash sync	They also with V contact with environ with Sector dedicated auto flashes ISO range = 25.800		
Bower Course	-Mort shoe with A-contact with copies with the standard data indicated and indication on the right-hand -Battery exhaustion symbol [←] is lit (blinking when the shutter is locked; no indication on the right-hand		
Weening	edge of the viewfindet.)		
Dimension and Weight	-135,0mm(W)x90.5mm(H)x62.5mm(D) (5.3"x3.6"x2.5") 350g(12.3 oz) body only without batteries		
Date Model			
Date mechanism	-Crystal quartz controlled LCD with digital clock, auto calendar up to 2019. Possible to print both standard and panorama format picture. 7-segment, 6-digit liquid crystal digital display		
Imprinting mode	year/month/day, day/month/year, month/day/year, day/hour/minute, and " (blank)		
Mumber of prints	-3V lithium battery (CR 2025 or equivalent)		
Dimention and Weight	-135.00mm(W)x90.5mm(H)x62.5mm(D) (5.3°x3.6°x25°)365g(12,9oz)body only with out patteries.		
Supplied Accessories—Hot Shoe Cover Fc. Release Socket Cap F. Camera Strap Fa. Eye Cup Fa. Finder Cap			
	· · · · · · · · · · · · · · · · · · ·		

[LCD AND FINDER INDICATIONS]





■ LCD panel indications



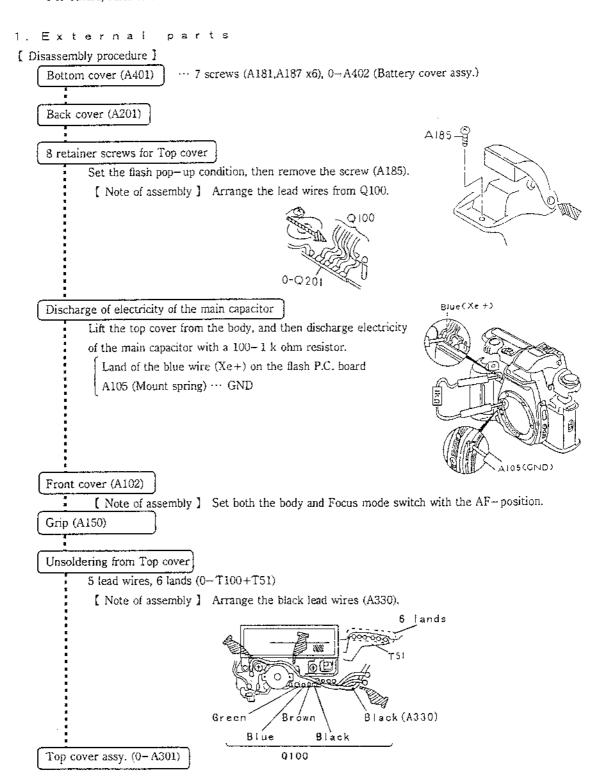
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Outline:

Disassembly and assembly procedures for MZ-10 are almost the same as MZ-5 (Prod. No. 27250). The differences for service works from MZ-5 are Top cover, Front cover, Mount ring, their related parts and soldering around LCD panel.

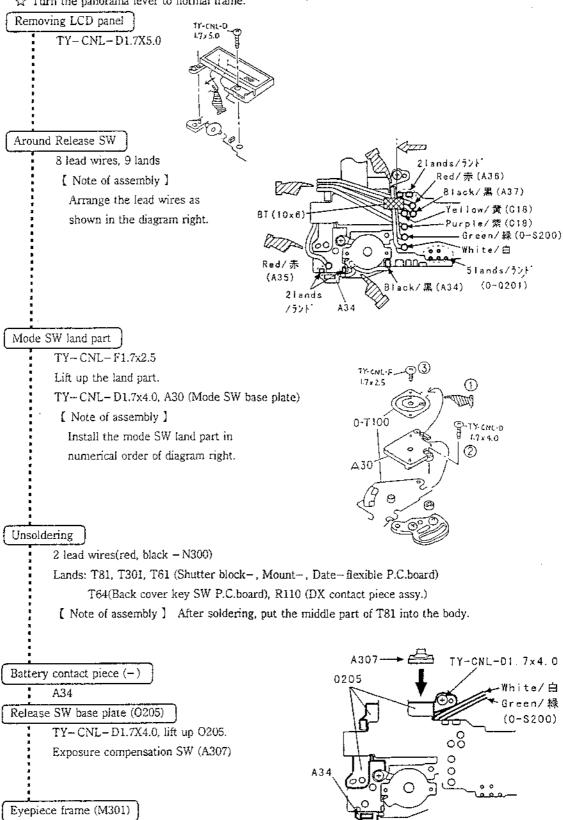
The only exclusive service works and adjustments for $MZ\!-\!10$ are mentioned below.

For others, refer to the service manual for MZ-5.

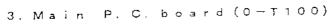


[Disassembly procedure]

☆ Turn the panorama lever to normal frame.

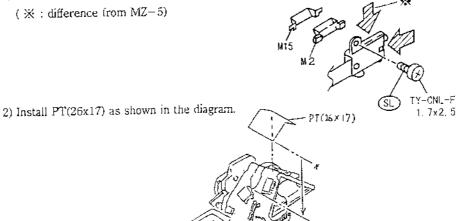


2 screws



[Note of assembly]

1) Install the Finder LCD as shown in the diagram.



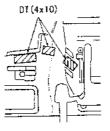
4. Top cover

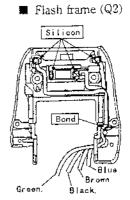
[Note of assembly]

Arrange the lead wires as shown in the diagram below.

Brown Black Black (A330)

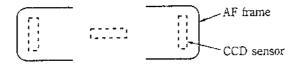
Green A330



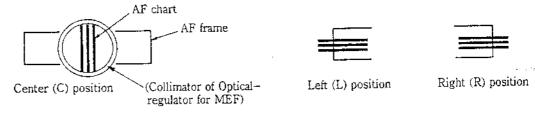


5. Adjustment and Confirmation (supplement)

- 5-1. Adjustment and check with computer program
 - 1) Positions of AF frame and CCD sensor (for reference)



2) Match both the AF frame and AF chart as shown in diagram below.

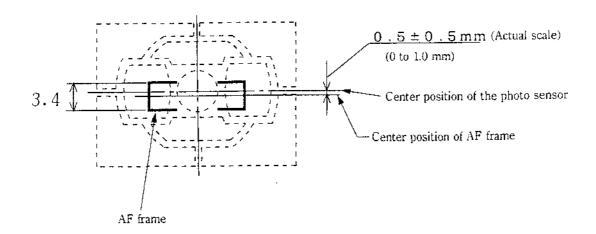


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5-2. Mechanical back

Standard: 4 5 . 4 6 mm +0.02, -0.035

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[Reference] If a lens with a large aperture (ex. FA 50mm \$\frac{1}{2}.4) is mounted, the pattern of the photo-sensor will be seen easily on the 1st mirror.

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