

MZ-E700

SERVICE MANUAL

Ver 1.0 2000.11

*E Model
Tourist Model*



The MZ-E700 is approximately the same as the MZ-E900. Consequently, only difference between MZ-E900 and MZ-E700 are listed. For other information, please refer to the MZ-E900 service manual (9-927-992-11) previously issued.

SPECIFICATIONS

Audio playing system

MiniDisc digital audio system

Laser diode properties

Material: GaAlAs

Wavelength: $\lambda = 790 \text{ nm}$

Emission duration: continuous

Laser output: less than $44.6 \mu\text{W}^*$

* This output is the value measured at a distance of 200 mm from the objective lens surface on the optical pick-up block with 7 mm aperture.

Revolutions

Approx. 300 rpm to 2,700 rpm

Error correction

ACIRC (Advanced Cross Interleave Reed Solomon Code)

Sampling frequency

44.1 kHz

Coding

ATRAC (Adaptive Transform Acoustic Coding)

ATRAC3: LP2

ATRAC3: LP4

Modulation system

EFM (Eight to Fourteen Modulation)

Number of channels

2 stereo channels

1 monaural channel

Frequency response

20 to 20,000 Hz $\pm 3 \text{ dB}$

Wow and Flutter

Below measurable limits

Outputs

Headphones/earphones: stereo mini-jack, maximum output level 5 mW + 5 mW, load impedance 16 ohms

Power requirements

Nickel metal hydride rechargeable battery

One NH-14WM (supplied): 1.2V, 1,400 mAh

One LR6 (size AA) battery (not supplied)

External power jack: Power rating 1.5V DC

Battery operation time

Battery life (EIAJ^{1) 2)}

Batteries	Stereo(normal)	LP2 Stereo	LP4 Stereo
Ni-MH rechargeable battery	29	33	37
NH-14WM ²⁾			
LR6 (SG) Sony	42	49	58
Alkaline dry battery ³⁾			
LR6 (SG) ³⁾ and NH-14WM ²⁾	76	87	100

Unit: Approx. hours

¹⁾ Measured in accordance with the EIAJ (Electronic Industries Association of Japan) standard (using a Sony MDW-series Mini-disc).

²⁾ With a fully charged battery

³⁾ When using a Sony LR6 (SG) "STAMINA" alkaline dry battery (produced in Japan).

Note

The battery life may be shorter depending on operating conditions, the surrounding temperature, and the battery type.

Dimensions

Approx. 78.0 x 14.0 x 72.0 mm (w/h/d) ($3 \frac{1}{8} \times \frac{9}{16} \times 2 \frac{7}{8}$ in.) (not including projecting parts and controls)

Mass

Approx. 85g (3.0 oz) (the player only)

Supplied accessories

Headphones/earphones with a remote control (1)

Battery charger (1)

Rechargeable battery (1)

Rechargeable battery carrying case (1)

Dry battery case (1)

Carrying pouch (1)

AC plug adaptor (1) (Tourist model only)

US and foreign patents licensed from Dolby Laboratories.

Design and specifications are subject to change without notice.

PORTABLE MINIDISC PLAYER

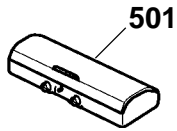
SONY®

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	3-222-225-01	PANEL, BOTTOM.....(SILVER)		17	X-3379-505-1	BRACKET (R) ASSY	
1	3-222-225-11	PANEL, BOTTOM.....(BLUE) (HK)		18	X-3379-506-1	BRACKET (STOP) ASSY	
1	3-222-225-21	PANEL, BOTTOM.....(PINK) (HK)		19	3-222-250-01	CASE, BATTERY.....(SILVER,WHITE,PINK)	
1	3-222-225-31	PANEL, BOTTOM.....(WHITE) (HK)		19	3-222-250-11	CASE, BATTERY.....(BLUE)(HK)	
2	3-222-228-01	KNOB (OPEN)		* 20	A-3323-605-A	MAIN BOARD, COMPLETE	
3	3-222-246-01	ESCUTCHEON		21	3-222-243-01	SHEET, INSULATING	
* 4	A-3322-910-A	SW MOUNTED PC BOARD (S)		* 22	A-3322-912-A	AUDIO BOARD, COMPLETE	
5	3-222-248-01	KNOB (AVLS).....(SILVER,WHITE)		23	4-218-229-13	SCREW MI 1.4X1.8	
5	3-222-248-21	KNOB (AVLS).....(BLUE) (HK)		24	3-049-041-01	TERMINAL BOARD	
5	3-222-248-31	KNOB (AVLS).....(PINK) (HK)		25	X-3379-507-1	TERMINAL (PLUS) ASSY, BATTERY	
6	3-222-249-01	KNOB (HOLD).....(SILVER,WHITE)		26	3-222-224-01	LID, BATTERY CASE.....(SILVER)	
6	3-222-249-21	KNOB (HOLD).....(BLUE) (HK)		26	3-222-224-11	LID, BATTERY CASE.....(BLUE) (HK)	
6	3-222-249-31	KNOB (HOLD).....(PINK) (HK)		26	3-222-224-21	LID, BATTERY CASE.....(PINK) (HK)	
7	1-679-235-11	SWITCH FLEXIBLE BOARD		26	3-222-224-31	LID, BATTERY CASE.....(WHITE) (HK)	
8	3-222-226-01	BELT, ORNAMENTAL.....(SILVER)		27	3-225-711-01	WINDOW (LED)	
8	3-222-226-11	BELT, ORNAMENTAL.....(BLUE)(HK)		28	3-225-712-01	SHEET (LED), ADHESIVE	
8	3-222-226-21	BELT, ORNAMENTAL.....(PINK) (HK)		29	4-218-229-33	SCREW MI 1.4X3.5	
8	3-222-226-31	BELT, ORNAMENTAL.....(WHITE) (HK)		30	3-315-751-11	SPACER, KNOB (B)	
9	3-222-227-01	BUTTON, CONTROL		31	4-963-883-22	SCREW (M1.4), PRECISION PAN	
10	4-218-233-05	SCREW (1.4), MI		32	3-226-864-01	SHEET (PERCHI 2)	
11	X-3380-214-1	LID ASSY,UPPER (S).....(SILVER)		33	3-226-896-01	SPACER (FULCRUM L)	
11	X-3380-215-1	LID ASSY,UPPER (L).....(BLUE) (HK)		34	3-226-855-01	SHEET (BATTERY CASE), ADHESIVE	
11	X-3380-216-1	LID ASSY,UPPER (P).....(PINK) (HK)		35	3-227-252-01	SPACER (BATTERY TERMINAL 2)	
11	X-3380-217-1	LID ASSY,UPPER (W).....(WHITE) (HK)		36	3-226-809-01	SHEET (REAR)	
12	X-3379-511-1	HOLDER ASSY		37	3-226-897-01	SPACER (BATTERY CASE)	
13	3-222-373-01	TERMINAL BOARD (MINUS)		38	3-227-153-01	SHEET, ADHESIVE	
14	3-704-197-93	NILOCK M1.4		39	3-227-636-01	WASHER (FITTING BOTTOM)	
15	X-3379-509-1	BRACKET (L) ASSY		40	3-226-808-01	SHEET (BOTTOM)	
16	3-049-051-01	SCREW (MD), STEP					

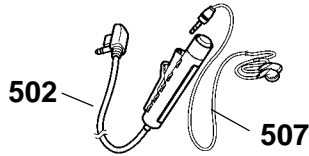
MZ-E700

Ref. No.	Part No.	Description	Remark
ACCESSORIES & PACKING MATERIALS *****			
501	1-251-895-21	BATTERY CASE	
502	1-476-210-11	REMOTE CONTROL UNIT	
△ 503	1-528-580-21	BATTERY CHARGER (BC-7HT) (JEW)	
△ 503	1-528-866-11	BATTERY CHARGER (BC-9HP2) (HK)	
△	1-569-007-11	ADAPTOR, CONVERSION 2P (JEW)	
504	1-756-036-11	BATTERY, NICKEL HYDROGEN	
505	3-008-521-01	CASE, BATTERY CHARGE (HK)	
505	3-008-521-21	CASE, BATTERY CHARGE (JEW)	
	3-220-300-11	MANUAL, INSTRUCTION (ENGLISH, TRADITIONAL CHINESE)	
	3-220-300-21	MANUAL, INSTRUCTION (FRENCH, SPANISH)(JEW)	
	3-220-300-31	MANUAL, INSTRUCTION (JAPANESE, KOREAN) (JEW)	
506	3-220-749-01	CASE, CARRYING	
507	8-953-304-90	RECEIVER MDR-E805SP	

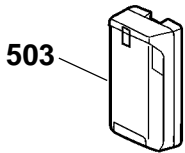
• Dry Battery Case



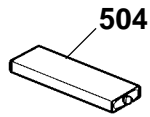
• Headphones/earphones with a remote control



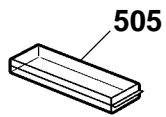
• Battery Charger



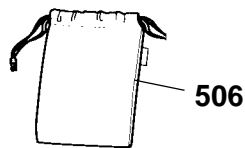
• Rechargeable Battery



• Rechargeable Battery Carrying Case



• Carrying Pouch



Note : The component name in a figure just mentions a component name in instruction manual.

The components identified by mark △ or dotted line with mark △ are critical for safety.
Replace only with part number specified.