HVL-F42AM

SERVICE MANUAL

Ver 1.0 2008.02

US Model
Canadian Model
AEP Model
Chinese Model
E Model

SPECIFICATIONS

Guide number

Normal flash (ISO100)

Flash Coverage Setting (mm)		16*	24	28	35	50	70	105
GN	Manual flash/ 35mm-format	13	23	23	25	30	35	42
	APS-C format	13	25	26	30	35	38	42

* When the wide panel is attached

Frequency/Repetition

	Alkaline	Nickel hydride (2500 mAh)
Frequency (sec)	0.1 - 3.7	0.1 - 2.7
Repetition (times)	Approx. 180 or more	Approx. 260 or more

• Repetition is the approximate number of times that are possible before a new battery is completely dead.

Continuous flash performance	40 flashes at 5 flashes per second (Normal flash, light level 1/32, 105 mm, nickel-metal hydride battery)
AF illuminator	Autoflash at low contrast and low brightness Operating range (with a 50 mm lens attached to DSLR-A700) Central area: 0.5 m to 6 m Pripheral areas : 0.5 m to 3 m
Flash control	Flash control using pre-flash, TTL direct metering
Dimension (Approx.)	W 75 × H 123 × D 100 mm (3 × 4 7/8 × 4 inches)
Mass (Approx.)	340 g (12 oz) (excluding the batteries)
Recommended batteries	AA-size alkaline batteries AA-size rechargeable nickel-metal hydride batteries
Included items	Flash unit (1), Mini-stand (1), Case (1), Set of printed documentation

Functions in these operating instructions depend on testing conditions at our firm. Design and specifications are subject to change without notice.

FEATURES

• A compact flash that provides a flash output with a maximum guide number 42 (105 mm position, ISO 100 • m).
• Can be used with compatible lenses to enable ADI (Advanced Distance Integration) flash metering, which is not affected by the reflection rate of the background or subject.
• Enables High-speed Sync.
• Provides many functions such as bounce flash, manual flash, etc.
• This flash unit supports flash coverage to a focal length of 16mm by using the built-in wide panel when the flash is triggered.
• Corrects the white balance automatically using the color temperature information.*
• Adjusts the optimum flash coverage according to the image sensor size of the camera.*
* When Sony digital single-lens reflex camera (other than the DSLR-A100) is used.

FLASH

SONY®

SECTION 1
EXPLODED VIEWS

NOTE:
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

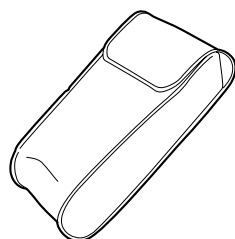- The mechanical parts with no reference number in the exploded views are not supplied.

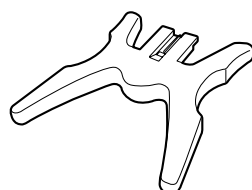| Ref. No.	Part No.	Description
1	X-2189-011-1	MAIN UNIT
2	X-2189-012-1	LID SET, BATTERY
3	X-2189-184-1	FOOT UNIT, SHOE
4	2-693-229-01	SCREW

SECTION 2
SUPPLIED ACCESSORIES

- Abbreviation

  CH: Chinese model
  CND: Canadian model

Checking Supplied Accessories

Case
3-291-967-01

Mini-stand
2-691-857-01

Ref. No.	Part No.	Description
	3-285-951-01	MANUAL, INSTRUCTION (JAPANESE, ENGLISH, FRENCH) (US, CND)
	3-285-951-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH, GERMAN, ITALIAN, DUTCH) (AEP)
	3-285-951-21	MANUAL, INSTRUCTION (ENGLISH, PORTUGUESES, SPANISH, SWEDISH, RUSSIAN) (AEP)
	3-285-951-31	MANUAL, INSTRUCTION (ENGLISH, ARABIC, TRADITIONAL CHINESE, SIMPLIFIED CHINESE, KOREAN) (E, CH)

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Revision History

Ver.	Date	History	Contents	S.M. Rev. issued
1.0	2008.02	Official Release	—	—

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