

ECM-HW1

SERVICE MANUAL

Ver 1.0 2006.01



(Receiver)



(Microphone)

*US Model
Canadian Model
AEP Model
E Model
Chinese Model
Korea Model*

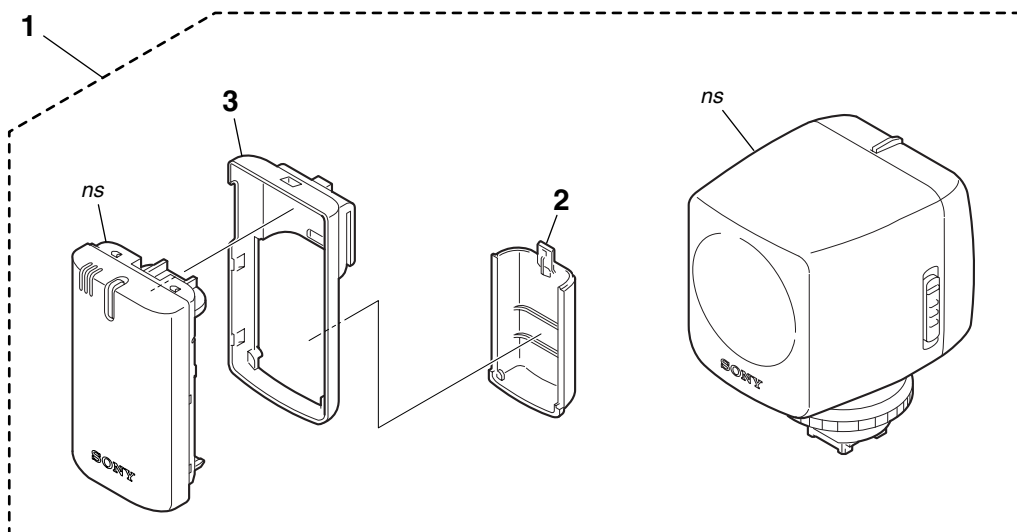
SPECIFICATIONS

Wireless communication	
Communication system	Bluetooth specification Ver.1.2
Output	Bluetooth specification Power Class 1
Compatible Bluetooth Profile	Advanced Audio Distribution Profile
Working range*	Approx. 30 m (100 ft.) (line of sight)
* Depending on recording location, such as if obstacles or reflective surfaces are between Bluetooth devices, radio wave conditions, etc.	
Receiver	
Power requirements	Supplied via Active Interface Shoe (approx. 7.2 V)
Power consumption	Approx. 0.7 W (When the receiver is attached, the operating time of the camcorder's battery is reduced by about 20%.)
Dimensions (w/h/d)	Approx. 48 × 71 × 53 mm (1 ¹⁵ / ₁₆ × 2 ⁷ / ₈ × 2 ¹ / ₈ in.)
Mass	Approx. 58 g (2 oz.)
Microphone (transmitter)	
System	Monaural, non-directional
Power requirements	3.0 V (two size AAA alkaline dry batteries or two size AAA Ni-MH rechargeable batteries**) ** Batteries not included. Manganese dry batteries should not be used.
Power consumption	Approx. 0.6 W
Frequency response	300 - 9,000 Hz
Continuous operating time	Approx. 3 hours (With Sony alkaline dry batteries at 25 °C (77 °F)) When used at low temperature, the operating time with alkaline dry batteries will shorten. Use of Ni-MH rechargeable batteries is recommended.
Dimensions (w/h/d)	Approx. 34 × 65 × 23 mm (1 ³ / ₈ × 2 ⁵ / ₈ × 29/ ₃₂ in.) (excluding the clip)
Mass	Approx. 25 g (0.9 oz.) (excluding the batteries and the clip)
Receiver/microphone (transmitter)	
Operating temperature	5 - 40 °C (41 - 104 °F)
Storage temperature	-20 - 60 °C (-4 - 140 °F)
Included items	
Receiver (ECM-HW1R) (1), Microphone (transmitter) (ECM-HW1T) (1), Clip (attached to the microphone) (1), Neck strap (1), Wind screen (1), Carrying pouch (1), Arm band (1), Set of printed documentation	

Design and specifications are subject to change without notice.

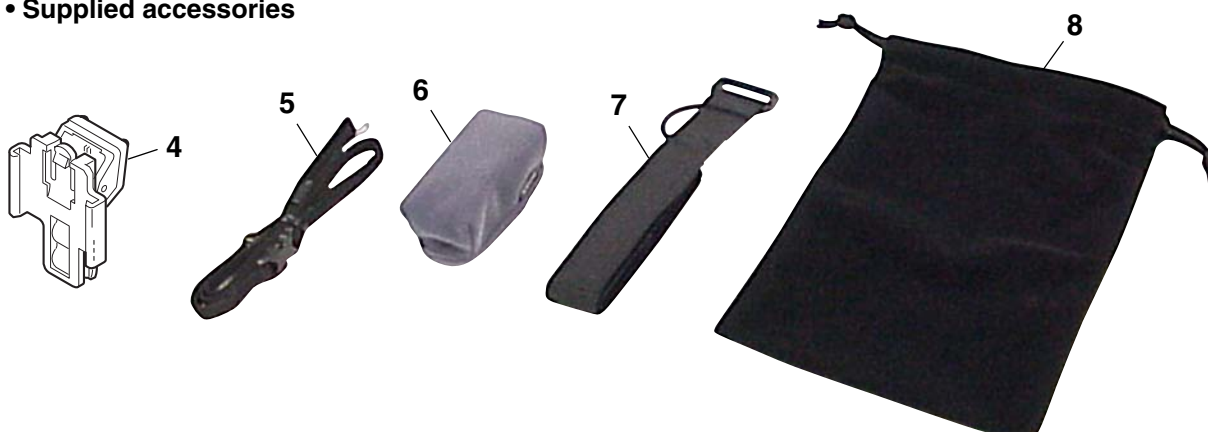
WIRELESS MICROPHONE
SONY®

PARTS LIST



Note: When replacing the microphone receiver assembly, be sure to change the labels (See the next page).

• Supplied accessories



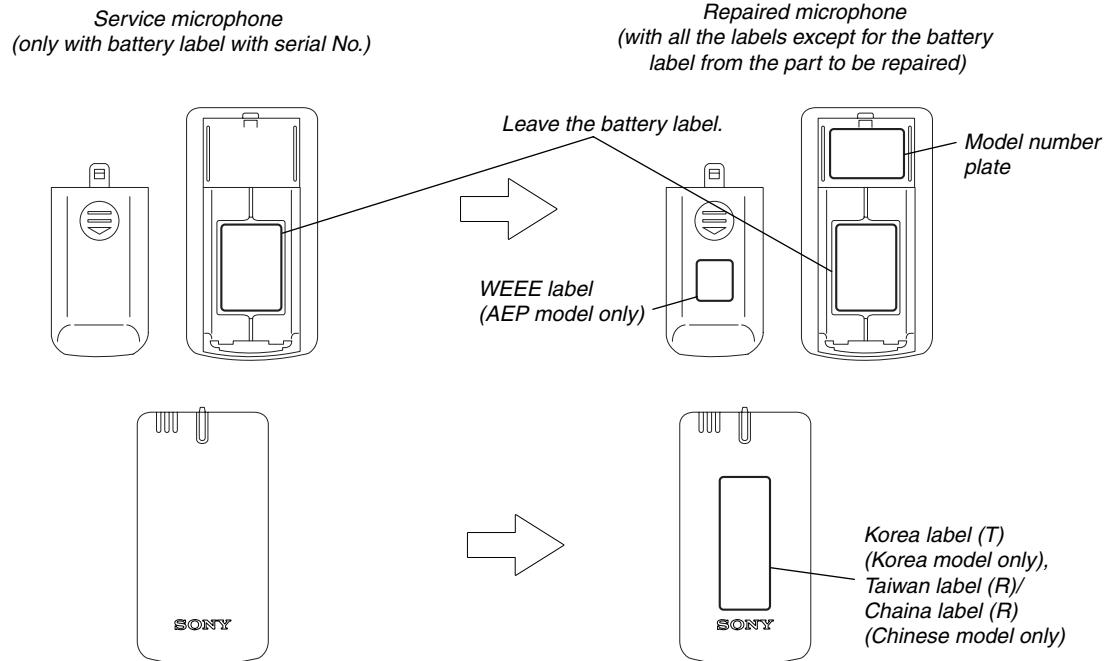
Ref. No.	Part No.	Description
1	A-1181-026-A	MICROPHONE RECEIVER ASSY (SERVICE)
2	2-657-617-01	LID, BATTERY
3	2-657-614-01	CASE, LOWER
4	A-1184-691-A	CLIP
5	2-669-436-01	NECK STRAP
6	2-669-437-01	WIND SCREEN
7	2-669-438-01	ARM BAND
8	2-669-439-01	CARRYING POUCH
	2-669-441-01	MANUAL, INSTRUCTION (JAPANESE/ ENGLISH/FRENCH/SPANISH/SIMPLIFIED CHINESE/ TRADITIONAL CHINESE/KOREAN)
*	2-669-441-11	MANUAL, INSTRUCTION (GERMAN/DUTCH/ SWEDISH/PORTUGUESE/ITALIAN/ RUSSIAN/ARABIC)

Changing labels

- (1) Because communication is possible only between the matched pair of this product when the product is shipped from the factory or supplied as the repair part, the same serial number should be carried both by a microphone and a receiver that enables identification of the matched pair among the mixed use of the multiple units.
- (2) If the approved certificate labels of the respective countries in which this product is marketed and customer uses is not attached to the product before use, ignorance of this requirement may be punishable.

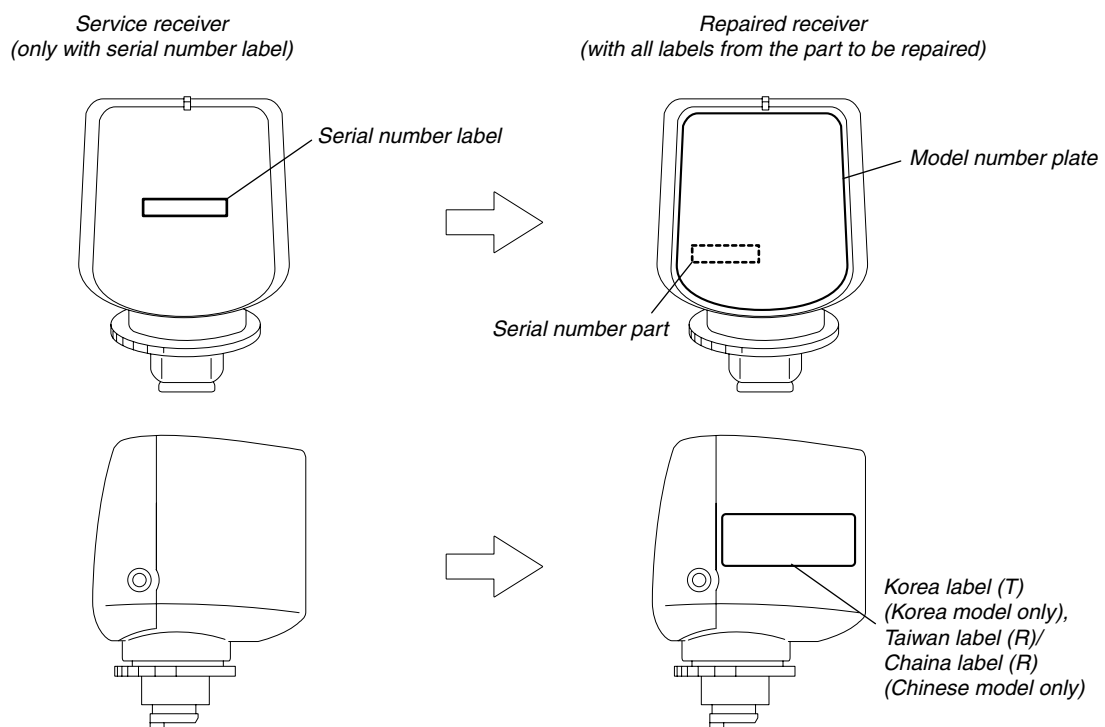
Microphone

- ① Remove the all labels except for the battery label from the parts to be repaired, and attach these labels to service parts.



Receiver

- ① Remove the serial number label from the service receiver.
- ② Remove the model number plate from the part to be repaired, and attach it on the service part.
- ③ Attach the serial number label which is removed from the service receiver (①) on the serial number part of the model number plate.
- ④ Remove the all labels except for the model number plate from the parts to be repaired, and attach these labels to service parts.



Revision History

Ver.	Date	History	Contents	S.M. Rev. issued
1.0	2006.01	Official Release	—	—