

ECM-221

SERVICE MANUAL

US Model
Canadian Model
AEP Model
E Model



SPECIFICATIONS

Type	Electret condenser microphone (with back electret condenser capsule)
Directivity	Uni-directional
Frequency response	50-14,000Hz
Output impedance	200 ohms \pm 20%, unbalanced
Effective output level	53.8dBm (0dB=1V/Pa, 1,000Hz)
Dimensions	Approx. 38mm dia. \times 188mm length (1 1/2 in. dia. \times 7 1/2 in. length)
Weight	Approx. 200g (7.1 oz) incl. battery
Supplied accessories	Microphone holder (1) Output plug adaptor (1) Sony battery SUM-3 (NS) (1)

Design and specifications subject to change without notice.

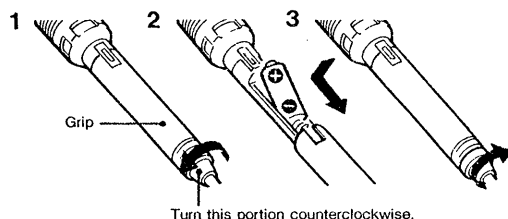
Features

- The back electret condenser capsule assures a wide frequency range and clear sound.
- The talk switch is conveniently placed in order to cut off the unwanted sound intermittently while holding an interview or addressing an audience.
- A high quality microphone cable assures high quality sound.
- An output plug adaptor for mini jack to phone jack is supplied.

How to Install a Battery

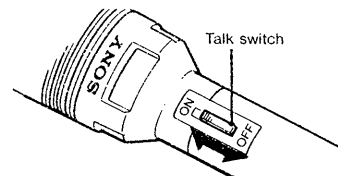
Battery life

A Sony battery SUM-3 (NS) will last for about 10,000 hours of use. Replace the battery with a new one if any distortion occurs or if noise is increased. The battery is being expended even when the microphone is not in use. As the talk switch is not the power switch, the battery will continue to be expended even when the talk switch is set to OFF.



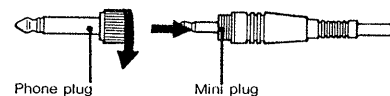
How to Use the Talk Switch

When the microphone is used: Set the switch to ON.
When the microphone is not in use: Set the switch to OFF.



How to Use the Supplied Output Plug Adaptor

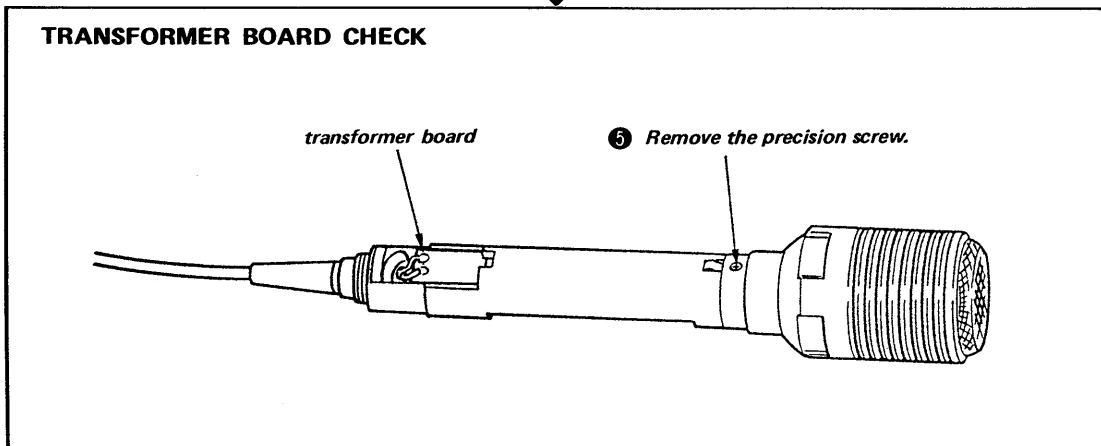
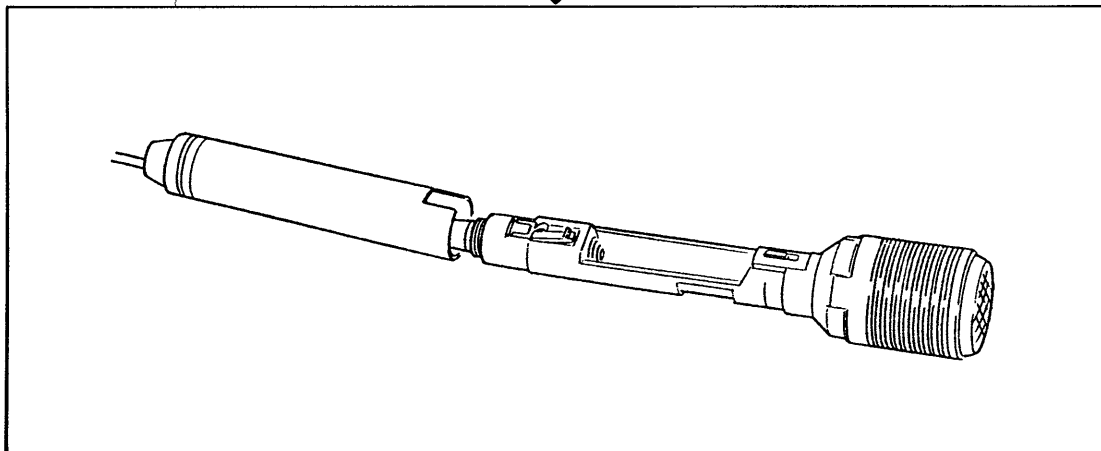
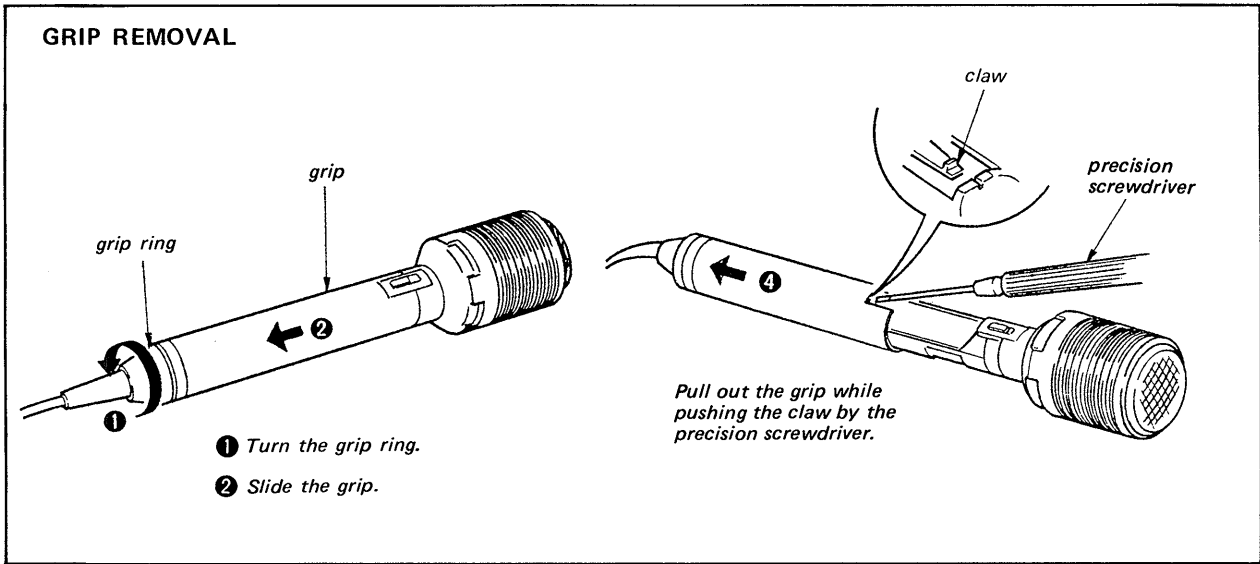
To insert the plug of the microphone cable into the phone jack, use the supplied output plug adaptor.



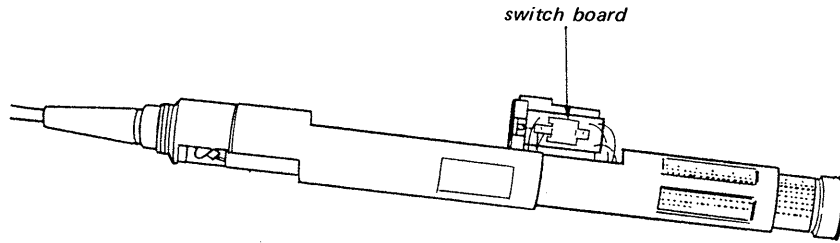
ELECTRET CONDENSER
MICROPHONE
SONY®

SECTION 1 DISASSEMBLY

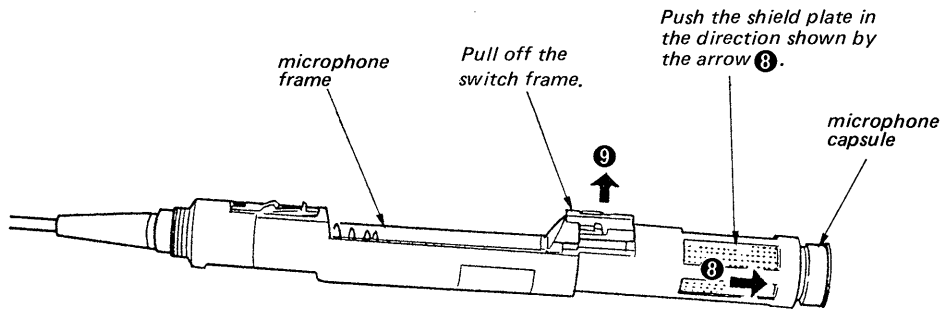
Note: Follow the disassembly procedure in the numerical order given.



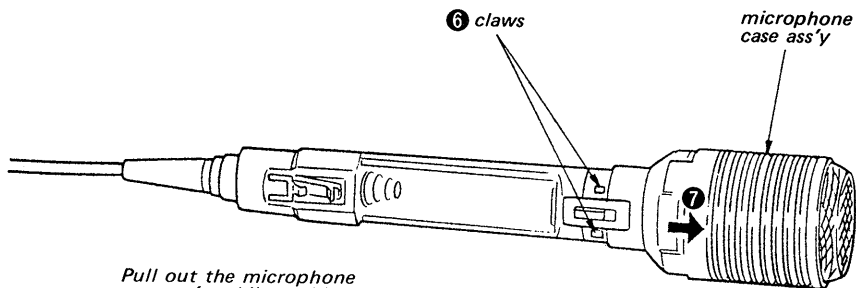
SWITCH BOARD CHECK



MICROPHONE CAPSULE AND SWITCH FRAME REMOVAL



MICROPHONE CASE ASS'Y REMOVAL

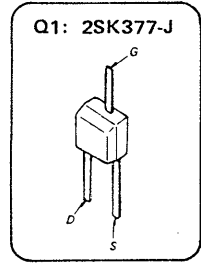
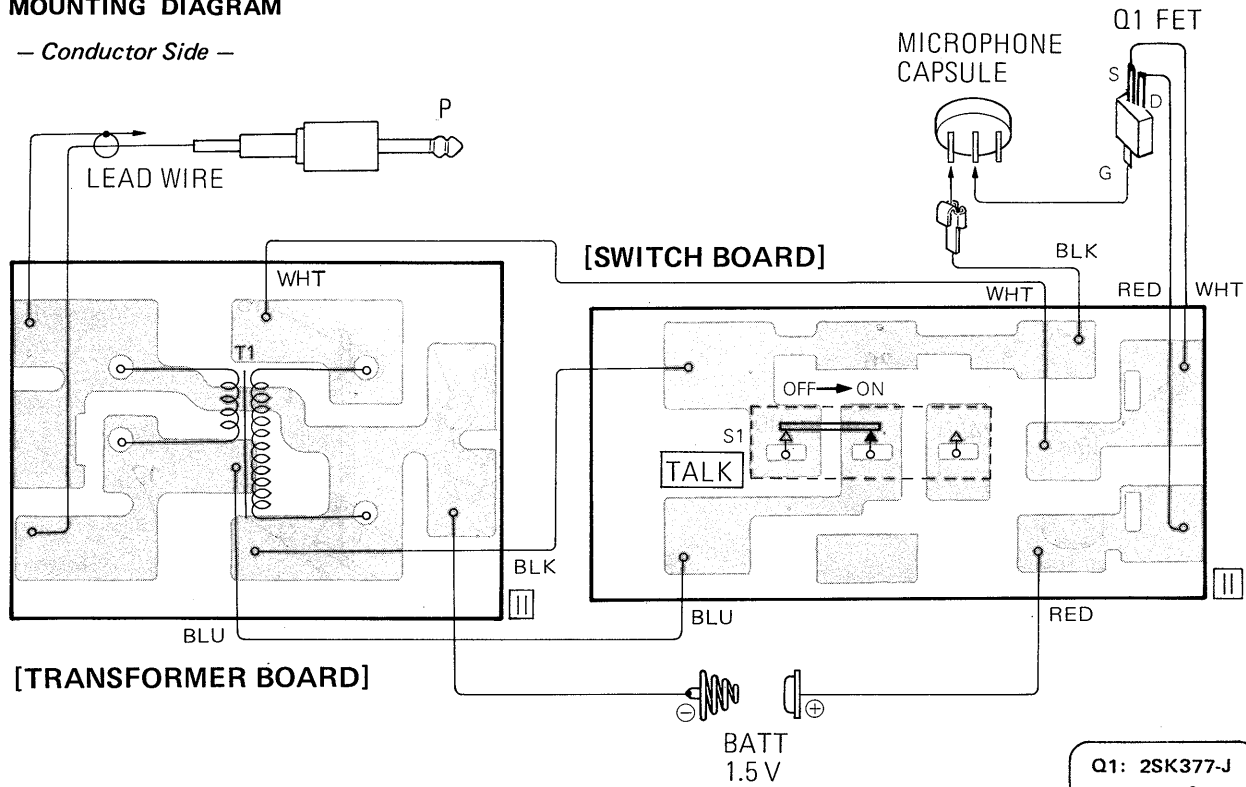


Pull out the microphone case ass'y while pushing the claws by a pair of tweezers.

SECTION 2 DIAGRAMS

MOUNTING DIAGRAM

— Conductor Side —



SCHEMATIC DIAGRAM

