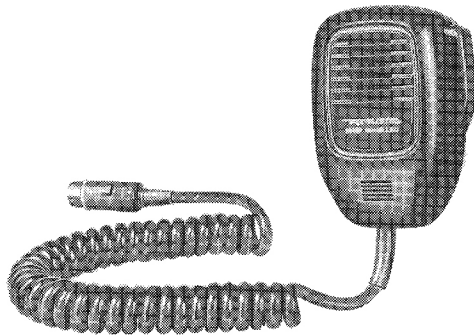




NOISE CANCELLING DYNAMIC MICROPHONE

Catalog Number: 21-1174



SPECIFICATIONS

Type : Dynamic noise cancelling, with push-to-talk switch
Impedance: 250 ohms at 1 kHz.
Output : $-78 \text{ dB} \pm 3 \text{ dB}$ at 1 kHz ($0 \text{ dB} = 1 \text{ V}/\mu\text{bar}$)
Frequency: 200 – 5000 Hz.
Cable : Coiled cord, terminated with 5 pin DIN plug

Your new **REALISTIC Noise Cancelling Dynamic Microphone** is designed for effective use with CB Transceiver in noisy areas. This microphone will give you superior rejection of unwanted background noise in cars, trucks, cabs, boats, farm machinery, heavy equipment, etc. It comes with a 5-pin DIN plug on the end of coiled 6 foot (1.8 m) cord.

Use this Microphone as a direct replacement for any dynamic microphone used on REALISTIC CB Transceivers. For other than REALISTIC Transceivers, you may have to re-wire the Microphone DIN plug, or the MIC jack on your C.B. Transceiver. Use the information provided on the other side of this sheet to show you how to make proper connections. If you can't figure it out, don't take a chance of causing expensive damage to your equipment or possibly violating FCC Regulations—**take the Microphone with this Instruction Sheet and your CB Transceiver with its Instruction Manual to a qualified Electronic Service Technician.** You should not request or accept verbal information concerning this important connection because unit compatibility can be assured only by a competent circuit analysis.

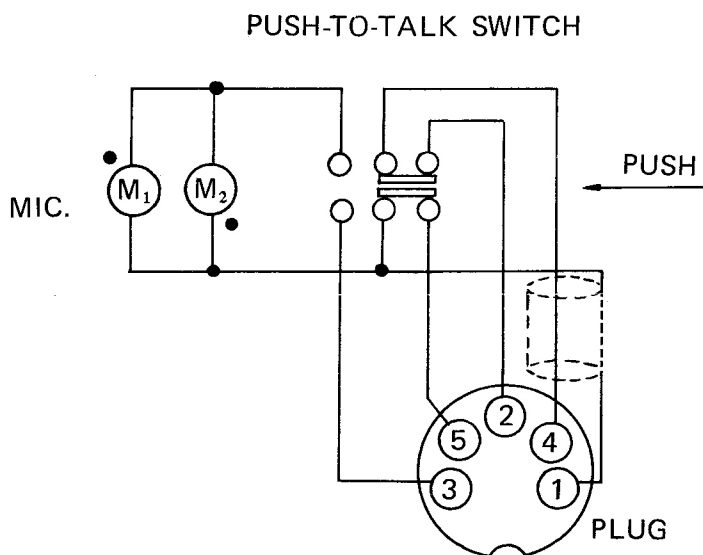
OPERATION

Plug the Microphone into the MIC jack on your CB Transceiver (after re-wiring if necessary). Press push-to-talk switch to transmit. Release to receive. The Microphone has two elements. Background noises are picked up "in-phase" by these two elements. With special internal connections these "in-phase" noise components are cancelled. Your voice signal, spoken directly into the Microphone, reaches the two elements out-of-phase and is accepted for transmission. You will need to hold the Microphone close to your mouth when you talk but you won't mind because you know background noises are completely eliminated.

Function/Operation of Mic Connector Pins

Pin Number	Button Out (Receive)	Button In (Transmit)
1	Shield/Ground	Shield/Ground
2	Connected to Pin 4	Floating free
3	Floating free	Grounded to Pin 1
4	Connected to Pin 2	Audio "hot"
5	Grounded to Pin 1	Floating free

SCHEMATIC DIAGRAM



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Printed in Japan