

INSTRUCTION SHEET
FOR
INSTALLATION OF
MICROPHONE T-44-A
IN A-9 AND A-10 OXYGEN MASKS

MANUFACTURED BY
WESTERN ELECTRIC COMPANY, INC.
Chicago, Illinois

ORDER NO. 8128 WF-43

ORDER No. 8128 WF-43

RESTRICTED

Notice:—This document contains information affecting the national defense of the United States within the meaning of the Espionage Act, 50 U. S. C., 31 and 32, as amended. Its transmission or the revelation of its contents in any manner to an unauthorized person is prohibited by law. (AR 380-5)

The information contained in restricted documents and the essential characteristics of restricted material will not be communicated to the public or to the press, but may be given to any person known to be in the service of the United States and to persons of undoubted loyalty and discretion who are cooperating in Government work.

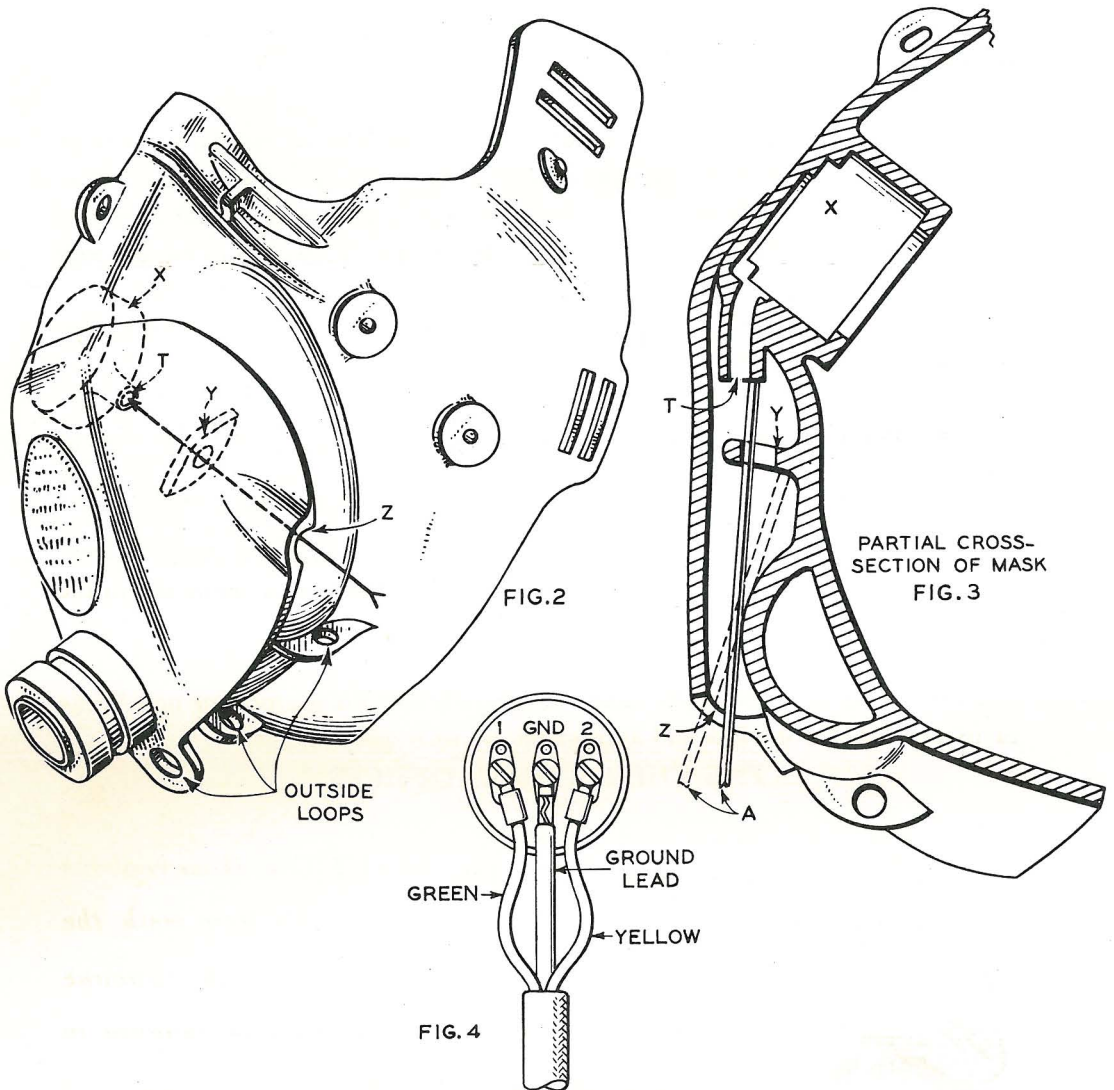
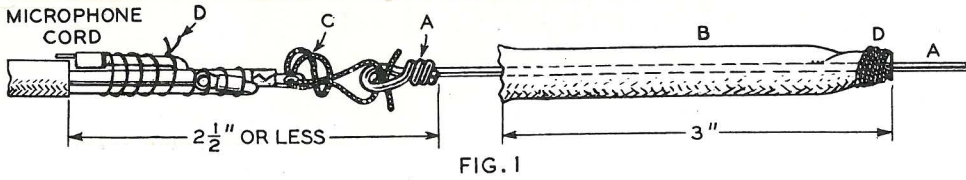
PUBLISHED BY AUTHORITY
OF
THE CHIEF SIGNAL OFFICER

FOR AIRPLANE TYPE
AAF SERIAL No.

MICROPHONE T-44-A

APPARATUS:

- (A) 12- to 18-inch length of stiff wire (No. 20 gauge copper wire works well).
- (B) 3-inch length of 1/4-inch I.D. spaghetti tubing. Tie to wire with thread as shown. (1/4-inch diameter cotton sleeving also is suitable.)
- (C) Strong cord.
- (D) Thread.



MICROPHONE T-44-A

PROCEDURE:

- (1) Loop the cord (C) through the ground lead terminal and tie to a small loop made on the end of wire (A). The short thick lead with the glossy yellow covering is the ground lead.
- (2) Bend the conductor terminals back on themselves and tie them with thread to the ground lead, as shown in Fig. 1.
- (3) Slide tubing (B) to cover terminals and microphone cord.
- (4) Thread wire (A) through the three outside cord loops of the mask.
- (5) Wet the tubing with liquid soap, pull it tightly over the microphone cord, and pull the cord through the outer loops.
- (6) From inside the mask, pull out the rubber plug blocking the hole (T) in the microphone cavity (X).
- (7) Straighten the wire (A) about 6 inches from the end and pass it through the outer entrance (Z) of the mask as shown in Fig. 2. Aim the wire in the direction of the microphone cavity (X) and tilt the wire slightly downward to strike the base of the inner loop flap (Y) as shown in Fig. 3 by the dotted lines. By tilting the wire slightly upward and pushing it through the hole in (Y) the wire will hit the protruding tubular pipe (T). By further tilting the wire slightly upward the wire can be pushed through (T) and into the microphone cavity (X).
- (8) Pull the cord up into the mask far enough (about 3 or 4 inches) to permit attaching the microphone unit.
- (9) Attach terminals securely to the unit as shown in Fig. 4 with the lock-washers under the terminals, making sure that the ground lead is connected to the center terminal.
- (10) Pull back the surplus cord and properly seat the microphone unit in the cavity provided for it. Mask and microphone are then ready for use.



CAUTION: If microphone is removed from mask, the hole in the microphone cavity must be plugged in order for the oxygen mask to function.