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3 Wire Mini Lapel Microphone

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For warranty information, customer service, or to order replacement parts, please contact:

as household waste. Old electrical and electronic equipment should be recycled at a facility capable of handling these items and their waste byproducts. Contact your local authority for details in locating a recycle facility nearest to you. Proper recycling and waste disposal will help conserve resources whilst preventing detrimental effects on our health and the environment.

Information on Disposal of Old Electrical and Electronic Equipment (applicable for EU countries that have adopted separate waste collection systems) Products with the symbol (crossed-out wheeled bin) cannot be disposed



## SURVEILLANCE KITS

The OTTO Surveillance Kits for Two-Way Radio communications provide remote monitoring and optional remote control of the push-to-talk function of the radio. They are designed for use in low to moderate noise environments to ensure discrete transmissions that are unnoticed by others. These kits feature:

- enodorea trajewitani l
- Low-profile, flexible, transparent, quick disconnect
- Acoustic tube
  Flexible, high-grade cable for demanding
- Beige or black color options
- Various push-to-talk and microphone options

## REPLACEMENT PARTS

BLACK	BEIGE PART #	DESCRIPTION
A\N	C100733	l yta, sering eartube/earplug set, Qty 1
C101221-2	C101221-19	Quick Disconnect Acoustic Tube Assembly, Noise Attenuating Plugs, (Kit includes acoustic tube, adapter w/clip, foam eartube plug and foam earplug)
A\N	C806573-LM	Flexible Open Ear Inserts, Left medium
A\N	MA-67806573-RM	Flexible Open Ear Inserts, Right medium

DESCRIPTION	BEIGE PART #	BLACK PART #
Standard clear eartip, Qty 1	C800947	N/A
Standard clear eartip, Qty 10	C100569	N/A
Standard clear eartip, Qty 25	C101206	N/A
Quick disconnect acoustic tube adapter kit (includes tube, adapter with clip and eartip)	C101220-19	C101220-2
Quick disconnect adapter only with clip	C101222-19	C101222-2
Quick disconnect acoustic tube and eartip only (1 per pack)	C101199	N/A
Quick disconnect acoustic tube and eartip only (5 per pack)	C101199-05	N/A
Earphone Only	C101115-19	C101115-2
Replacement Earphone Kit with Acoustic Tube (Includes earphone, acoustic tube, adapter and clear eartip)	C101219-19	C101219-2

#### **REPLACEMENT PARTS**

# **PRODUCT DEFINITIONS Earphone Kit** The earphone kit consists of an earphone, standard size eartip, acoustic tube adapter, acoustic tube, and cable

2 Wire Palm Mic Kit

# ACOUSTIC TUBE ADAFTER Figure 1 **OUTCK DISCONNECT** AR OPEN L BO -NOISE ATTENUATING EARTUBE/EARPLUG ACOUSTIC TUBE

CONNECTOR

EARPHONE

# **HOW TO USE NOISE ATTENUATING KITS**

DEICE

expand to fit firmly within the ear canal. eartube into the ear canal. The earplug or eartube will enough to fit within the ear canal. Position the earplug or Gently squeeze and roll the earplug or earlube until small Take the earplug or eartube between a thumb and tinger.

### (NOT STANDARD ON ALL PRODUCTS) **HOW TO ADJUST MICROPHONE GAIN**

screws. closing the transition module cover and re-installing the be positioned with their largest flat tacing upward before the gain control clockwise. Cable boots and crimps must sensitivity in low back-ground noise environments, turn ground noise environments. For increased microphone wise to decrease microphone sensitivity in high backtransition module. Turn the gain control counter-clockcircuit board closer to the microphone cable end of the view). A gain control potentiometer is located on the and the transition module cover, (see transition module adjustment, remove the two Torx head screws (size 6) the cable to the radio connector. To access the the earphone, microphone and push-to-talk switch and kits that have a transition module between the cables to Microphone gain is adjustable on some 2 wire and 3 wire

> 3 Wire Mini Lapel Mic Kit The mini lapel microphone kit consists of three cables: one that has an earphone, standard size eartip, acoustic tube adapter, and acoustic tube; one that has a pendant push-totalk switch; and one that has a low profile lapel microphone, all of which terminate in the radio accessory connector.

> The palm microphone kit consists of two cables: one that has an earphone, standard size eartip, acoustic tube adapter, and acoustic tube; and one that has a combined push-to-talk switch and microphone, both of which

terminating into the radio accessory connector.

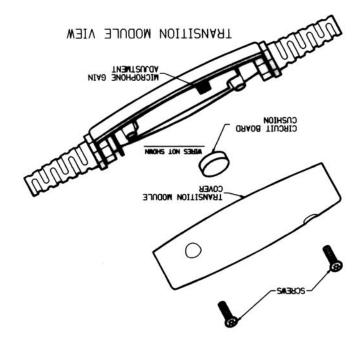
terminate in the radio accessory connector.

#### Noise Attenuating Kit (Optional)

Recommended for high noise environments, a noise attenuating kit with a foam eartube can easily replace the standard size eartip on any of the kits mentioned above. See the replacement parts table for part number identification.

#### Flexible Open Ear Inserts (Optional)

The Flexible Open Ear Inserts are molded from hypoallergenic plastic and designed to fit entirely inside the ear. It's open frame still allows the user to hear ambient noise. See the replacement parts table for part number identification.



# INSTALLATION

(1) Turn the radio off. Installation of the surveillance kit while the radio is on may cause the radio to transmit constantly, locking up your radio system. If this should happen, turn off the radio. The radio can then be turned back on, restoring normal operations.

acoustic tube adapter onto the earphone.

gently pull out the acoustic tube.

the new earphone by snapping tirmly in place. Snap the

thin object around the circumterence of the earphone to tree adapter. Detach the cable connector from the earphone. Reconnect the accessory cable connector to

d) **To change earphones**, gentify pry the acoustic tube adapter away from the earphone by sliding a thin object between the adapter and the earphone. Work the

c) To replace an acoustic tube assembly, simply grab the base of the unit and turn a 1/4 turn to the left and

b) To change to a noise attenuating assembly on an acoustic tube assembly or to change eartubes on a noise attenuating assembly, detach the eartip or eartube piece from the elbow. Position the tube end of a new eartube piece from a noise attenuating plug kit over the

elbow and press tirmly on the eartube to secure.

- (2) Remove any dustcaps or covers from the radio accessory connector.
- (3) Attach the surveillance kit to the radio accessory connector.
- (4) Tighten mounting thumbscrew if required. Install radio accessory clamp if required

To change the surveillance component parts refer to the exploded view (see Figure 1) and proceed as follows:

a) **To change eartips** on an acoustic tube detach the eartip from the elbow. Position the replacement eartip over the elbow and press firmly on the eartip to secure.

#### **OPERATION**

Turn the radio on and operate it as explained in the operating instructions supplied with the radio. Installing the surveillance kit bypasses the radio's speaker and routes the output to the earphone's speaker. When using the optional remote push-to-talk and microphone, the remote mic is enabled and on most radios, the radio's microphone is disabled.

#### MAINTENANCE

OTTO recommends the periodic cleaning of the eartip with a mild soap and water solution to extend the life of the accessory. OTTO also recommends the proper storage of the accessory away from high temperature conditions to prolong the life of the accessory.

#### **HEARING PROTECTION WARNING**

OTTO Communications products are designed to produce a specific audio output level at maximum rated power. Many countries now have regulations defining the amount of noise that an individual can be subjected to during a normal workday. The duration of exposure, the level of audio output and the level of ambient noise will affect compliance to these regulations. Compliance is application dependent and standards vary. It is the SOLE RESPONSIBILITY of the end user to determine applicability of and compliance to local hearing protection regulations.

In addition, if purchasing any OTTO accessories which use earphone kits, it is the SOLE RESPONSIBILITY of the user to determine proper fit. Always use caution when inserting any of the products into your ear.