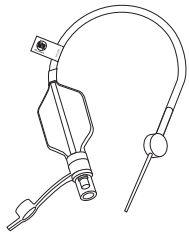
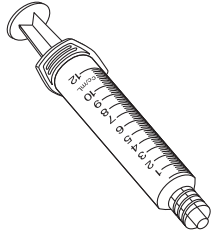


**F Product Specifications**



Pilot Tube Repair Device



10cc/mL Syringe

<b>Model #:</b>	<b>BE 409</b>
<b>Type:</b>	<b>Pilot Tube Repair Kit</b>
<b>Use:</b>	<b>Single Patient Use</b>
<b>Includes:</b>	<ul style="list-style-type: none"> <li>– Pilot Tube Repair Device</li> <li>– 10cc/mL Syringe w/Luer Lock tip</li> </ul>
<b>Fits:</b>	<b>Pilot tubes from 0.032 in. I.D. (21g) to 0.050 in. I.D. (18g)</b>



# Pilot Tube Repair Kit

*Usage Directions*

## BE 409

**Kit Includes:**

- Pilot Tube Repair Device
- 10cc/mL Syringe w/Luer Lock Tip



*Fits Pilot Tubes from:  
0.032 in. I.D. (21g) to 0.050 in. I.D. (18g)*

### Single Patient Use

– Not made with  
Natural Rubber Latex



8-21

ECO 2723 Rev. L

ECO 2723 Rev. L

8-21



– Not made with  
Natural Rubber Latex



Visit [iiimedical.com/symbols.pdf](http://iiimedical.com/symbols.pdf)  
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Instrumentation Industries, Inc. labeling.

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# Pilot Tube Repair Kit

*Usage Directions*

## BE 409

**Kit Includes:**

- Pilot Tube Repair Device
- 10cc/mL Syringe w/Luer Lock Tip

*Fits Pilot Tubes from:  
0.032 in. I.D. (21g) to 0.050 in. I.D. (18g)*

### Single Patient Use



Instrumentation  
Industries, Inc.



## A Indications for Use

When the endotracheal or tracheostomy pilot tube no longer maintains cuff inflation pressure, the needle of the BE 409 Pilot Tube Repair Kit is inserted into the cut pilot tube. The cuff can then be re-inflated in the usual manner. Such a repair can deter the need to replace the entire endotracheal or tracheostomy tube because of a damaged pilot tube.

## B Contraindications

None known.

## C Warning

Some materials in this device contain DEHP, a chemical substance listed in European Directives and other national legislations as hazardous. In the European classification system DEHP is listed "*Reprotoxic category 2 - May impair fertility - May cause harm to the unborn child.*" In the State of California (USA), DEHP is listed "*known to cause cancer and birth defects or other reproductive harm.*"

## D Cautions

- Do NOT Overinflate Cuff. Overinflation can result in tracheal damage, rupture of cuff, or distortion of cuff which may lead to airway blockage.
- Cuff Pressure should be monitored periodically during intubation period. Inadequate cuff pressure could result in injury or death.
- Syringe must be removed from inflation port after cuff inflation. Leaving the syringe attached to the inflation port may keep the valve open, thus deflating the cuff.
- The BE 409 Pilot Tube Repair Kit CANNOT be used during any type of Magnetic Resonance Imaging (MRI) as some parts of the assembly are magnetic.

## E Directions for Use

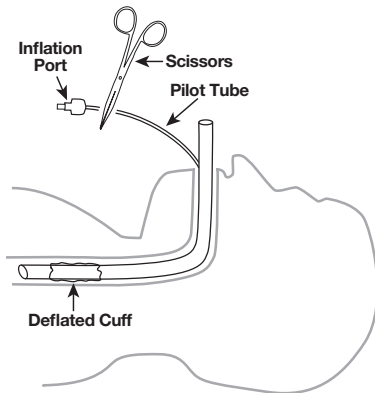
### Before you begin:

The BE 409 Pilot Tube Repair Kit can only be used to repair a damaged pilot balloon or pilot tube; it CANNOT be used to repair a leaking cuff. The source of the leak should be determined before attempting a repair!

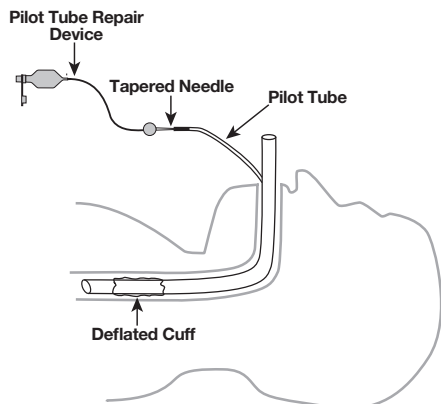
Due to manufacturing variations in endotracheal and tracheostomy tubes, the Pilot Tube Repair Device's tapered needle may not fit all pilot tubes — particularly those on smaller size endotracheal and tracheostomy tubes. The Pilot Tube Repair Device's tapered needle is designed to fit pilot tubes with inside diameters between 0.032 in. (21g) and 0.050 in. (18g). To ensure that the BE 409 Pilot Tube Repair Device fits a particular pilot tube (with an unknown I.D.), cut an identical pilot tube and confirm the mating fit prior to a repair becoming necessary.

### To Repair a Pilot Tube:

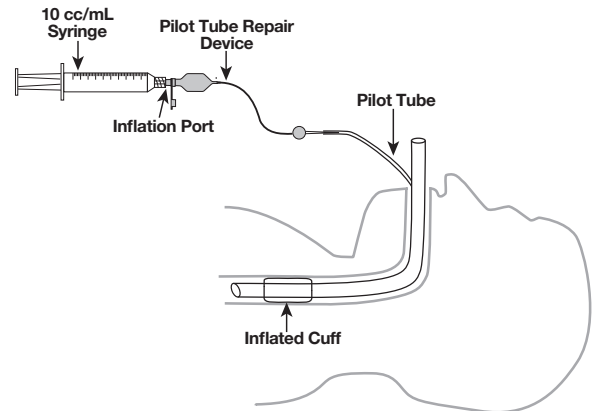
1. Secure pilot tube and use scissors to cut below damaged area of pilot tube.



2. Insert Pilot Tube Repair Device's tapered needle into cut pilot tube. Insert as far as possible. Proper function depends on a tight fit.



3. With plunger withdrawn, insert 10cc/mL Syringe into inflation port on Pilot Tube Repair Device. Gradually inflate cuff until air escaping around cuff is no longer audible. Remove Syringe.



4. Verify proper cuff pressure by inserting a cuff pressure monitor (not included) into the inflation port on the Pilot Tube Repair Device. Use Syringe to add or remove air to obtain a safe cuff pressure.

