

3M

Littmann®  
Brand

## Cardiology III Stethoscope

- Outstanding acoustics
- Versatile adult and pediatric sided chestpiece
- Patented tunable diaphragms for monitoring low and high frequencies
- Two-tubes-in-one design
- Patented Littmann® Soft-sealing eartips
- Pediatric side easily converts to traditional bell



Cardiology III

## **3M™ Littmann® Cardiology III Stethoscope**

Congratulations on the purchase of your new Littmann Cardiology III Stethoscope.

The Littmann Cardiology III stethoscope provides outstanding acoustic performance combined with exceptional versatility. Its innovative design offers a patented tunable diaphragm on each side of the chestpiece. The large side can be used for adult patients, while the small side is especially useful for pediatric or thin patients, around bandages and carotid assessment. Plus, the pediatric side of the chestpiece easily converts to a traditional bell by simply replacing the diaphragm with the nonchill bell sleeve included with the stethoscope.

Other features include a solid stainless steel chestpiece, patient-friendly nonchill rims and diaphragms, a comfortably angled, anatomically correct headset, and excellent acoustic seal and comfortable fit with patented 3M™ Littmann® Snap Tight soft-sealing eartips. The Littmann Cardiology III stethoscope also offers a two-in-one tube design to eliminate tube rubbing noise, and is available in a selection of classic tube colors to meet individual preferences.

Most of all, know that your Littmann Cardiology III stethoscope carries the Littmann brand name, the name known worldwide for unsurpassed quality. As a trusted leader in auscultation technology, the Littmann brand of stethoscopes is your assurance of acoustical superiority, innovative design and exceptional performance.

## Instructions for Use

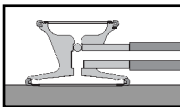
### Chestpiece

On Littmann stethoscopes with traditional combination chestpieces, it is necessary to open the side of the chestpiece being used. This is accomplished by holding the chestpiece stem in one hand and rotating the chestpiece with the other hand until a click is felt.

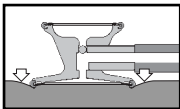
### Changing Frequencies Using the Tunable Diaphragm

Your Littmann Cardiology III Stethoscope is equipped with a patented tunable diaphragm that enables you to listen to both low and high frequency sounds on either chestpiece side.

Should you prefer a traditional bell, a nonchill bell sleeve is included as a spare part.



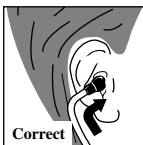
*Low frequencies:* To listen to low frequency sounds, (traditional bell mode) use very light skin contact.



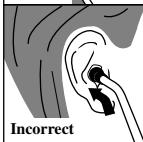
*High frequencies:* To listen to higher frequency sounds, (traditional diaphragm mode) press firmly on the chestpiece.

To listen to low and high frequency sounds without removing and repositioning the chestpiece, simply alternate between light and firm pressure on the chestpiece.

## Headset Adjustment



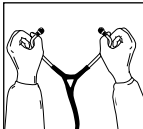
Correct



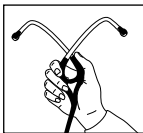
Incorrect

Your new Littmann stethoscope is designed to provide a comfortable, acoustically sealed ear fit. Notice that the eartubes are set to accommodate the typical anatomy of the ear canal. The eartips should point in a forward direction as you insert them into your ear canals.

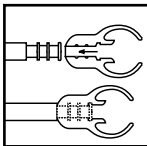
To reduce spring tension in the headset, hold each eartube at the bend near the eartip and gradually pull apart until fully extended.



To increase spring tension, grasp the headset with one hand where the eartubes enter the tubing and squeeze until the tubing on one eartube touches the other. Repeat as necessary.

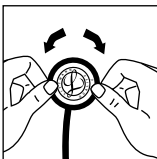


For maximum acoustic performance, comfortable patented 3M™ Littmann® Soft-sealing Eartips are provided with your stethoscope. This stethoscope utilizes a unique design for attaching the eartip to the



eartube. The eartips are pushed on to the end of the eartube and snapped firmly into place. To remove, pull firmly on the eartip.

## Removing the Diaphragm and Cleaning the Chestpiece

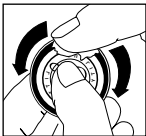


With the diaphragm side up, grasp the rim with the thumbs and index fingers of both hands and roll the rim off the edge of the chestpiece.

Remove the diaphragm from the rim and clean the parts in soapy water or wipe with

alcohol. Chestpiece surfaces can be wiped with alcohol or soapy water. Dry all parts and surfaces thoroughly before reassembly.

## Assembly and Replacement of the Tunable Diaphragm (Adult side)

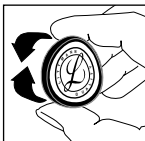


Using your fingertip, apply a small amount of talcum powder to the inside surface of the flexible edge of the diaphragm. This will facilitate assembly and maintain smooth and quiet low/high frequency alternation.

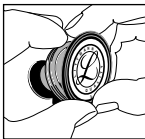
Snap the diaphragm with your fingers to remove excess talc.



Insert the flexible edge of the diaphragm into the groove of the rim. This is best accomplished by starting with the rim positioned above the legible side of the diaphragm.

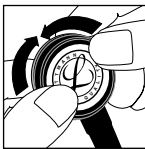


flexing procedure after rotating the assembly one quarter.



Visually examine the ring to ensure that the flexible edge is smoothly engaged inside the rim. If necessary, flex the assembly by pinching the outer rim edge between the thumb and fingers. Repeat this

To attach the rim/diaphragm assembly to the chestpiece, engage the groove of the rim (with the diaphragm attached) around the chestpiece at one point and hold it in place with your thumbs.



Slowly roll the rim around and over the chestpiece edge using both thumbs, moving in opposite directions around the chestpiece.



Visually inspect the edge where the diaphragm engages the rim for uniform containment. Minor adjustments may be made by slightly pulling and rolling the rim away from the diaphragm, allowing the diaphragm to slip into position.

## **Assembly and Replacement of the Tunable Diaphragm (Pediatric side)**

Remove the bell sleeve. Separate the stiff diaphragm with flexible surround from the nonchill rim. Start by placing the diaphragm on the pediatric side of the chestpiece. Smooth the surface of the flexible part of the diaphragm by rubbing your finger around the edge of the diaphragm, making sure that the flexible portion fits into the groove of the chestpiece. Engage the groove of the rim around the chestpiece edge at one point and hold it in place with your thumbs. Slowly roll the rim around and over the chestpiece edge by using both thumbs, moving in opposite directions around the chestpiece.

Visually inspect the edge where the diaphragm engages the rim for uniform containment. If necessary, remove the rim, smooth the surface, and repeat application procedure.

### **Conversion to Traditional Bell:**

The pediatric side of the chestpiece can be converted to a traditional bell. After removing the tunable diaphragm, replace it with the nonchill bell sleeve included in the spare parts box. Slip the bell sleeve over the edge of the bell and fit it into place.

### **General Use and Maintenance**

- Avoid extreme heat, cold, solvents, and oils.
- The entire stethoscope can be wiped clean with alcohol or soapy water.
- Eartips can be removed from the eartubes for thorough cleaning.

**NOTE:** Do not immerse your stethoscope in any liquid or subject it to steam sterilization. If disinfection is required, the stethoscope may be wiped with a 70% isopropyl alcohol solution.

## **Littmann Stethoscope Service and Warranty Program**

Your Littmann stethoscope comes with the finest service and warranty policy in the industry. The Littmann Cardiology III Stethoscope is warranted against any defects in material and workmanship for a period of five (5) years. If a material or manufacturing defect is discovered during the warranty period, repairs will be made without charge upon the return of the instrument to 3M, except in cases of obvious abuse or accidental damage.

For maintenance or repair services, write a short note explaining the repair or service you require, include your name, address and phone number and send your stethoscope directly to:

3M Health Care Service Center  
Bldg. 502, Suite 200  
3350 Granada Ave. North  
Oakdale, MN 55128  
1-800-292-6298

IN CANADA:

3M Health Care Service Centre  
3M Canada Inc.  
80 Enterprise Drive South  
London, Ontario  
Canada N6N1C2  
1-800-563-2921

Outside of the U.S. and Canada please contact your local 3M subsidiary for maintenance and repair information.

## Explanation of Symbols:





- Attention, see instructions for use.



- This product and package do not contain natural rubber latex.



Made in USA by **3M Health Care**, St. Paul, MN 55144-1000  
(U.S.A.) 1-800-228-3957 • Fax 651-736-2803  
Visit our web site: <http://www.3M.com/Littmann>

  Attention, see instructions for use.  
**3M Health Care** D-41453 Neuss, Germany

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