

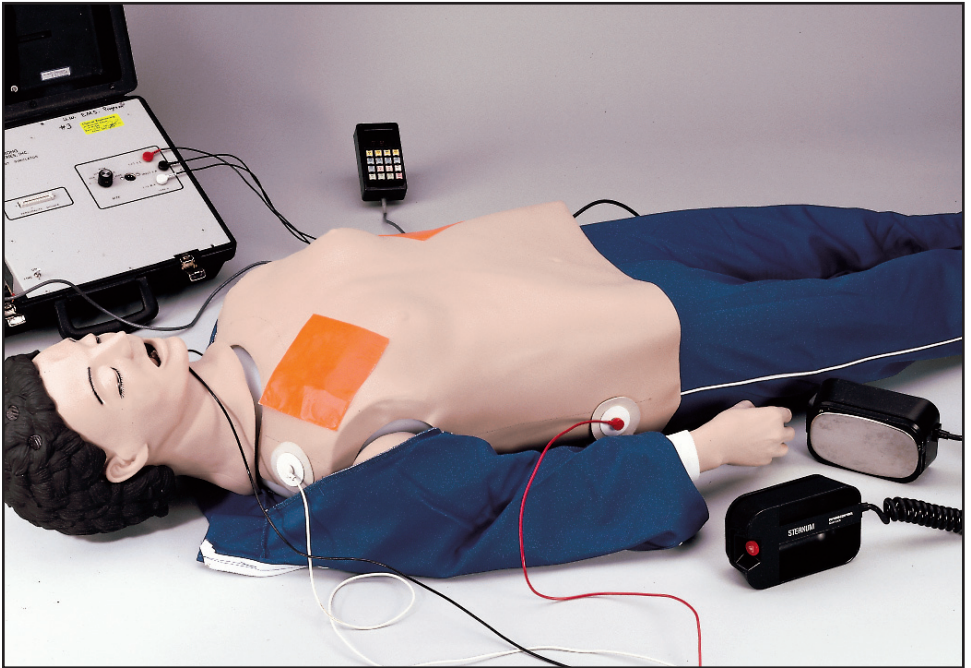
Dedicated to Delivery  
*Nasco*  
**Life/form**®

**3** *Life/form.*  
**Year**  
*Warranty*  
Simulators  
& Trainers

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**CRiSis™ System**  
**Defibrillation Chest Skin**  
**LF03652U**  
**Instruction Manual**

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**Life/form**® Products by Nasco

## About the Simulator

The **CRiSis™** System Defibrillation Chest Skin has been designed to be placed on the **CPARLENE®** or Resusci Anne®\* brands of CPR manikins to enable you, the customer, to safely defibrillate using either of these CPR manikins.

The Defibrillation Chest Skin has been designed to absorb a maximum of 360 joules of energy\*\*. Although capable of absorbing 360 joules, we recommend that the smallest energy level possible be used while training with the skin.

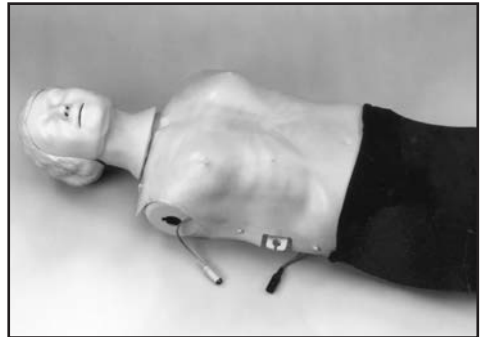
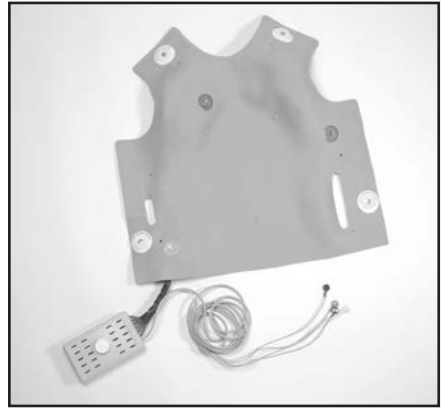
The **CRiSis™** System Defibrillation Chest Skin will enable you to practice defibrillation using manual, semiautomatic, and automatic external defibrillators (AEDs). When using any one of the above listed types of defibrillators in training, always follow the recommended operating procedures for that particular defibrillator. Our chest skin has been specially designed to accommodate either the **CPARLENE®** or Resusci Anne®\* brand CPR manikins, regardless of the version you have of either manikin.

## List of Components

- Defibrillation Chest Skin with Load Box and Four Lead Snap Cable Connected
- “Z” Shaped Mounting Bracket
- Set of Large Thread Screws
- Set of Bolts with Washers and Wing Nuts

\*Resusci Anne® is a registered trademark of Laerdal Medical Corporation.

**\*\*Note:** 360 joules is the maximum energy level that Nasco recommends administering to the defibrillation chest skin. Energy levels in excess of 360 joules may cause irreparable damage to the chest skin, circuitry, and patient simulator being used — thus voiding Nasco’s warranty and endangering your equipment. Nasco assumes no liability for damage or injury that may be caused by the use and/or misuse of this equipment. All normal safety precautions for defibrillation training should be followed and energy levels should be minimized. Nasco did not design nor intend this defibrillation chest skin to be used as anything other than a training apparatus for defibrillation.



## Set Up

The **CRiSis™** System Defibrillation Chest Skin has been designed to replace the standard outer chest skin on the **CPARLENE®** and the Resusci Anne®\* brand CPR manikins, thus enabling you to safely defibrillate these types of CPR manikins.

Please follow the setup procedures for the type of manikin on which you wish to place the **CRiSis™** System Defibrillation Chest Skin.

Resusci Anne®\* installation instructions begin on this page.

**CPARLENE®** installation instructions begin on page 4.

For those of you who have purchased the complete **CRiSis™** manikin, your load box has already been installed for you. You can skip over the setup procedures and go to the operating instructions on page 5.

### Resusci Anne®\* Installation Instructions

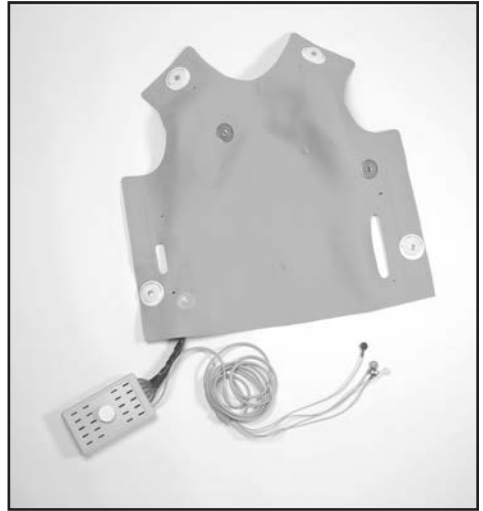
Regardless of the type or version of Resusci Anne®\* you have, you will be able to use our **CRiSis™** System Defibrillation Chest Skin. Simply follow along with the installation procedures.

### Removing the Regular Chest Skin

In order to install our Defibrillation Chest Skin, you must first remove the outer chest skin that is currently in place on your CPR manikin.

### Installing the Load Box

The next step is to install the load box for the defibrillation chest skin. The load box is the box attached to the skin via one large cable and a smaller cable with four lead snaps attached.



This is the device that will absorb the energy being administered to the chest skin during defibrillation.

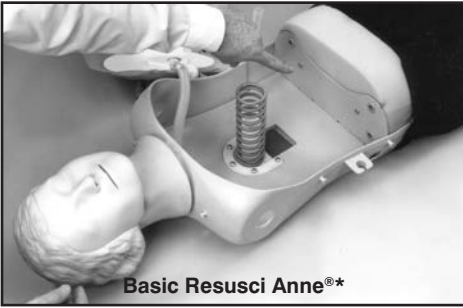
**Note: It is very important that this load box is installed properly!**

The first step is to determine the type of Resusci Anne®\* you have. Don't worry, our skin works with all the various versions, although the installation techniques may vary. No extra tools are needed; we have provided everything you will need.

Lift out the chest plate from the manikin. This will enable you to see down inside the manikin.



\*Resusci Anne® is a registered trademark of Laerdal Medical Corporation.



Basic Resusci Anne®\*



Now your load box is secure.

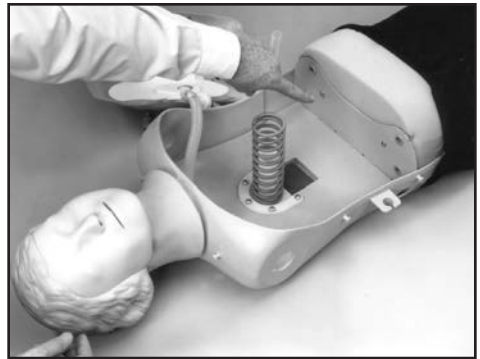


Electronic Version

Once the chest plate has been removed, you will need to determine if you have an electronic version or the basic (non-electronic) version of Resusci Anne®\*.

As you can see from the photos, the electronic version has a battery pack in the lower right hand corner of the chest cavity. The basic does not.

To install the load box in the electronic version, simply remove the top of the battery pack and screw our load box down onto the threaded screw sticking up through the battery pack.



We have included with the chest skin a bag of hardware and a “Z” shaped bracket. This bracket should be screwed down tight to the back plate on the right hand side using the screws provided.

\*Resusci Anne® is a registered trademark of Laerdal Medical Corporation.

If your manikin has legs on it, use the larger threaded screws to attach the bracket.

If you have a torso manikin, simply use the bolts, washers, and wing nuts to secure the bracket.



Once the bracket is in place with the single threaded screw and foam pads pointing towards the inner chest cavity, attach the load box to the screw sticking out and tighten until secure.



Your load box is now in place.

## **CPARLENE®** Installation Instructions

The load box for the **CRisis™** System Defibrillation Chest Skin is installed the same way in every version of the **CPARLENE®**, regardless of when you purchased it or the version you purchased.

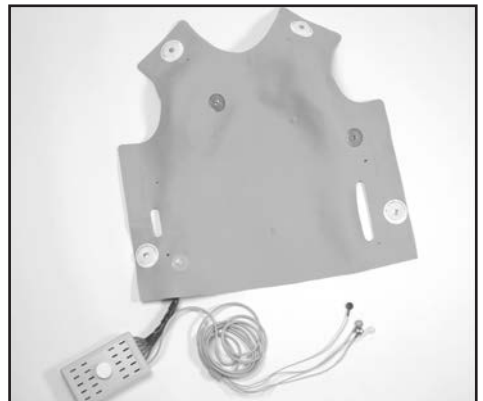


### **Removing the Regular Chest Skin**

In order to install the Defibrillation Chest Skin, the outer chest skin currently in place on the manikin must be removed.

### **Installing the Load Box**

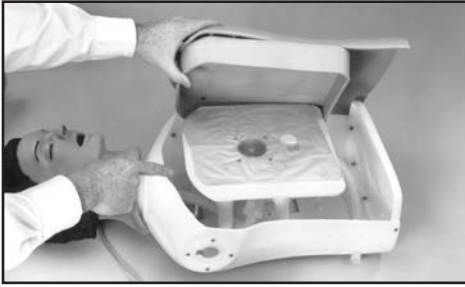
The next step is to install the load box for the Defibrillation Chest Skin. The load box is attached to the skin via one large cable.



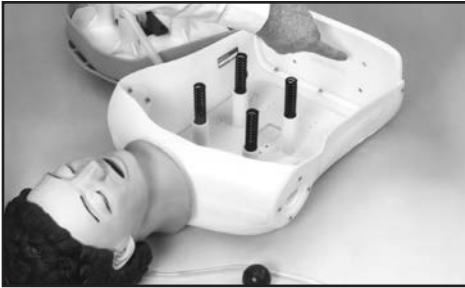
This is the device that will absorb the energy being administered to the chest skin while defibrillating.

***Note: It is very important that this load box is installed properly!***

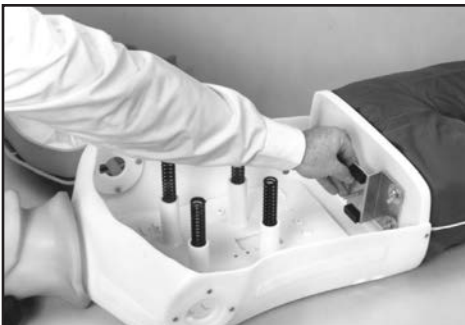
Once you have the chest skin removed, you must next remove the rib plate and the upper compression plate.



The next step is to attach the mounting bracket to the back plate of the manikin. The back plate is the part of the shell where the legs are or would be attached.



If you have a manikin with legs attached to it, you will already have four screws with washers and wing nuts holding the legs on. To attach the load box in this situation, just loosen one set of these nuts and slide the mounting bracket underneath as shown below.



The bracket should be secured so that the foam pads and single screw stick out toward the chest cavity.

If you have a torso manikin without legs, you will need to use the bolts provided with the bracket to mount it. Simply line up the bracket with the holes in the back plate and tighten up the wing nuts until the bracket is securely attached to the back plate. Again, make sure the single screw and the foam pads are pointing in toward the chest cavity.

### Securing the Load Box

Now that the bracket is in place, screw the load box onto the single screw sticking up off the "Z" bracket.



### Operating Instructions

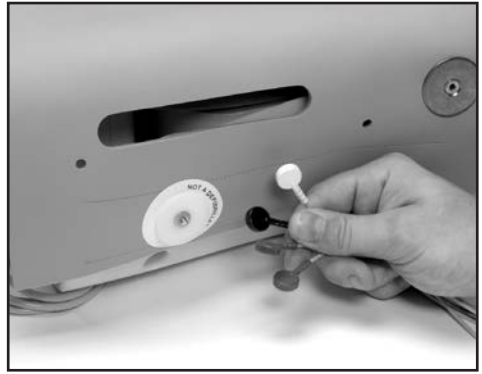
#### Replacing the Skin

Now that you have secured the load box, uncoil the smaller cable that has the four lead snaps attached. These four lead snaps will eventually be attached to your arrhythmia generator or patient simulator cable. For now, simply uncoil the cable and allow it to hang freely from the manikin.

Next, replace the chest plates that you removed earlier and lay the **CRiSis™** System Defibrillation Chest Skin on top of the chest of the manikin.

If you have a Resusci Anne<sup>®\*</sup>, we have die-cut holes and slots in your chest skin so that it can be stretched over your Resusci Anne<sup>®\*</sup> and attached to the posts.

If you have a **CPARLENE<sup>®</sup>**, the hook-and-loop fastener has already been sewn onto the skin. Simply line up the hook-and-loop fastener and you are all set.



### Connecting Your Arrhythmia Generator or Patient Simulator

Now that the chest skin and the load box are in place, you will want to connect the four lead snap cable to your arrhythmia or patient simulator.

Nasco has designed the **CRiSis<sup>™</sup>** System to be compatible with a variety of patient simulators. This is possible via the standard four lead snap cable. If your patient simulator has only two output posts, the red and black leads must be connected to the patient simulator.

If you want to connect the manikin to the simulator that came with your defibrillator, it is necessary to purchase the corresponding adapters from Nasco separately, if the patient simulator doesn't have the standard snap connectors. (Please see accessories at the end of this manual.)

Once your manikin is connected to your patient simulator, you will be able to pick up the ECG waves either through the monitor hook-ups on the skin or through the two disks attached to the skin on the defibrillation sites.

These disks will enable you to pick up the ECG wave using either the "Quick Look" paddle option or directly through gel pads, just like on a real patient.

It is possible to use AED gel pads with the cable connectors built into the gel — the same ones you use on patients. In an effort to help you save money, Nasco does offer a set of training buttons that will correspond to your particular AED unit. These buttons are sold separately and can be used over and over again. They come as a set with the patient simulator adapters. (See accessories at the end of this manual.)

\*Resusci Anne<sup>®</sup> is a registered trademark of Laerdal Medical Corporation.

## **Troubleshooting:**

**Problem** ECG wave is not being picked up from the manikin.

### **Solution**

1. Check your connections on the patient simulators; one or more may be disconnected.
2. Check to make sure your patient simulator is plugged in and working properly.

**Problem** ECG wave is inverted.

### **Solution**

Recheck the position of the red and black lead snaps on the patient simulator.

***Note:*** If the Defibrillation Chest Skin is not functioning or wiring comes undone, please contact us to repair or replace the unit. Failure to do so, or unauthorized repair, may void the warranty or cause further harm or damage to you or your equipment.

## **Accessories**

**LF03656U** Physio Control Training Pad Adapters and Patient Simulator Adapters for LifePak 10 and LifePak 20

**LF03657U** Marquette Electronics Training Pad Adapters and Patient Simulator Adapters

**LF03658U** Space Labs/Laerdal/Heartstart/First Medic Training Pad Adapters and Patient Simulator Adapters

**LF03961U** Zoll Training Cables with Adapters

**LF03962U** Physio Control Training Cables with Adapters for LifePak 12

***Note:*** If you need help selecting the training pad adapters that correspond to your AED unit, please feel free to call us at 1-800-558-9595 for assistance.



## Other Available *Life/form*® Simulators

- LF00698U** Adult Injectable Arm (White)  
**LF00855U** Male Catheterization  
**LF00856U** Female Catheterization  
**LF00901U** Prostate Examination  
**LF00906U** Ostomy Care  
**LF00929U** Surgical Bandaging  
**LF00957U** Enema Administration  
**LF00958U** Pediatric Injectable Arm  
**LF00961U** Intramuscular Injection  
**LF00984U** Breast Examination  
**LF00995U** Arterial Puncture Arm  
**LF00999U** Pediatric Injectable Head  
**LF01005U** First Aid Arm  
**LF01008U** Intradermal Injection Arm  
**LF01012U** Heart Catheterization (TPN)  
**LF01019U** Ear Examination  
**LF01027U** Peritoneal Dialysis  
**LF01028U** Suture Practice Arm  
**LF01034U** Suture Practice Leg  
**LF01036U** Spinal Injection  
**LF01037U** Hemodialysis Practice Arm  
**LF01038U** Episiotomy Suturing Set  
**LF01042U** Suture Kit  
**LF01062U** Pelvic, Normal & Abnormal  
**LF01063U** Stump Bandaging, Upper  
**LF01064U** Stump Bandaging, Lower  
**LF01069U** Cervical Effacement  
**LF01070U** Birthing Station  
**LF01082U** Cricothyrotomy  
**LF01083U** Tracheostomy Care  
**LF01084U** Sigmoidoscopic Examination  
**LF01087U** Central Venous Cannulation  
**LF01095U** Blood Pressure Arm  
**LF01108U** Infant Intraosseous Infusion  
**LF01121U** Advanced IV Arm  
**LF01131U** Venipuncture and Injection Arm  
**LF01139U** Advanced IV Hand  
**LF01142U** Auscultation Trainer  
**LF01143U** Testicular Exam  
**LF01152U** Male & Female Catheter  
**LF01155U** Advanced CPR Dog  
**LF01162U** Venatech IV Trainer  
**LF01174U** NG Tube & Trach Skills  
**LF01184U** Venatech IM & Sub Q  
**LF01193U** Special Needs Baby  
**LF03000U** **CPARLENE**® Series  
**LF03601U** Adult Airway Management Trainer with Stand  
**LF03602U** Adult Airway Management Manikin  
**LF03609U** Child Airway Management Trainer with Stand  
**LF03616U** Child **CRISIS**™ Manikin  
**LF03617U** Deluxe Child **CRISIS**™ Manikin with Arrhythmia Tutor  
**LF03620U** PALS Update Kit  
**LF03623U** Infant Airway Management Trainer with Stand  
**LF03632U** Child Intraosseous Infusion/Femoral Access Leg on a Stand  
**LF03633U** Child Airway Management Trainer Torso  
**LF03693U** **Basic Buddy**® CPR Manikin  
**LF03699U** "Airway Larry" Airway Management Trainer  
**LF03709U** Infant **CRISIS**™ Manikin  
**LF03720U** **Baby Buddy**™ Infant CPR Manikin  
**LF03750U** Fat Old Fred  
**LF03760U** Airway Management/Cricoid Pressure Trainer  
**LF03770U** Chest Tube  
**LF03953U** **CRISIS**™ Manikin, Complete  
**LF03955U** Deluxe **CRISIS**™ Manikin  
**LF03956U** Deluxe "Plus" **CRISIS**™ Manikin  
**LF03965U** Adult **CRISIS**™ Auscultation Manikin  
**LF03966U** Adult **CRISIS**™ Auscultation Manikin with ECG Simulator  
**LF04000U** **GERI**™/**KERI**™ Manikin Series  
**LF04200U** Adult Sternal Intraosseous Infusion  
**LF06001U** CPR Prompt® Adult/Child Manikin  
**LF06012U** CPR Prompt® Infant Manikin  
**LF06200U** CPR Prompt® Keychain Rescue Aid  
**LF06204U** CPR Prompt® Rescue and Practice Aid

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