



Child Defibrillation Chest Skin LF03611U Instruction Manual



Life/form® Products by Nasco

About the Simulator

The **Life/form**® Child Defibrillation Chest Skin has been designed to be placed on the Resusci® Junior* brand of CPR manikin to enable you, the customer, to safely practice defibrillation. (See **figure 1.**)

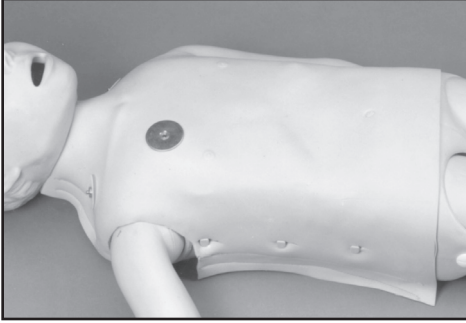


Figure 1

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

The Child Defibrillation Chest Skin will enable you to practice defibrillation using manual, semiautomatic, and automatic external defibrillators (AEDs). When using any one of these types of defibrillators in training, always follow the recommended operating procedures for that particular defibrillator. Our chest skin has been specially designed to accommodate the Resusci® Junior* CPR manikin.

List of Components

(See **figure 2.**)

- Defibrillation Chest Skin with Load Box and Four Lead Snap Cable Connector
- Bottle of Nasco Cleaner
- Load Box Mounting Plate
- 2 Machine Screws

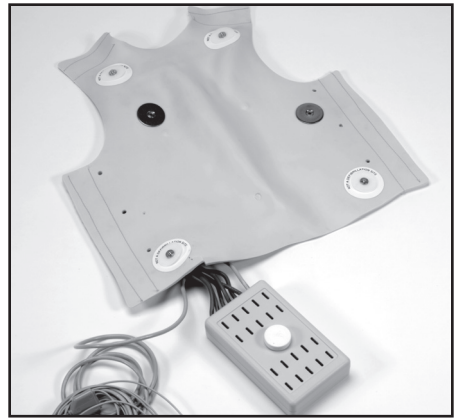


Figure 2

Things You Will Need

Phillips Screwdriver

****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 Child Defibrillation Chest Skin has been designed to replace the standard outer chest skin on the Resusci® Junior* CPR manikin, thus enabling you to safely defibrillate.

Please follow the set-up procedures for placing the Child Defibrillation Chest Skin on the manikin.

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Removing the Regular Resusci® Junior* Chest Skin

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

1. Unhook the chest skin from the sides and fold it up over the head.
2. Lift out the lung plate.
3. Remove the lung bag system from the Resusci® Junior* body.

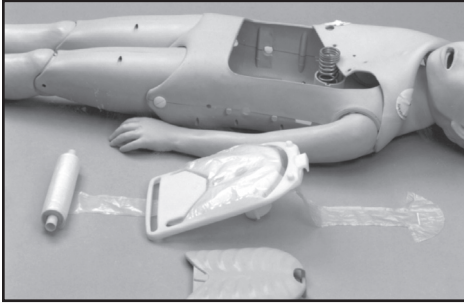


Figure 3

4. Lift out the chest plate and remove the roll of bags. **(See figure 3.)**

Note: The lung bag roll cannot be reinstalled when the load box is in place. The lung bags will have to be set up one at a time.

5. Detach the rubber tether strap from the pin at the base of the neck.

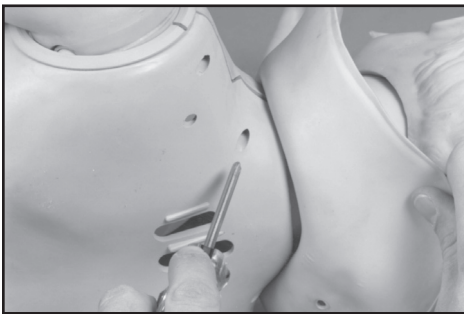


Figure 4

6. Turn the body over and remove the four screws that hold the two halves of the upper body together. These are located across the back of the shoulders. **(See figure 4.)**

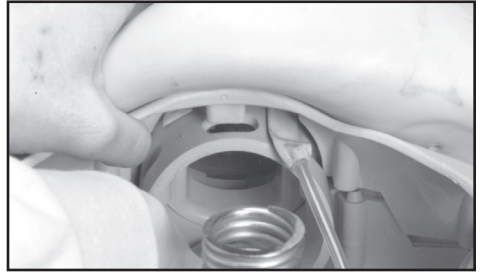


Figure 5

7. Lift the top half of the body slightly away from the bottom, releasing the tab that holds the neck in place. **(See figure 5.)**
8. Remove the head and neck from the body and remove the chest skin.

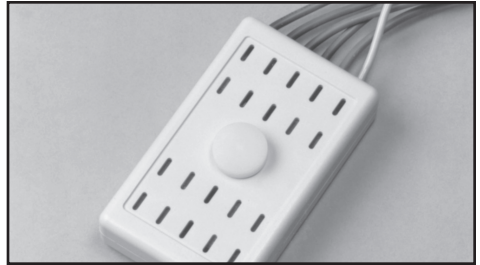


Figure 6

Installing the Load Box **(See figure 6.)**

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!

1. Locate the load box mounting plate and the two mounting screws supplied.



Figure 7

2. Place the load box mounting plate in the bottom of the Resusci® Junior*, aligning the predrilled holes in the body with the tapped holes in the load box mounting plate. (See **figure 7.**)

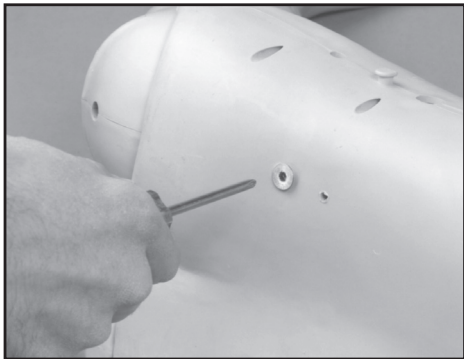


Figure 8

3. Now screw the plate down securely from the back side. (See **figure 8.**)
4. Locate the screw protruding from the newly installed mounting plate. Center the load box over the plate and tighten it down snugly using the load box screw knob. (See **figure 9.**)



Figure 9

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 patient simulator cable. (It can also be attached to an Arrhythmia Tutor, which is available from Nasco through the Health Care Educational Materials Catalog.) For now, simply uncoil the cable and allow it to hang freely from the manikin.

To reinstall the head, simply reverse the procedure used to remove it. Make sure to tighten the four body screws.

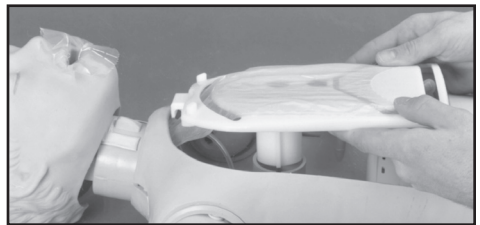


Figure 10

Next, replace the chest compression plate that was removed earlier and fit it with a single lung bag. Thread the bag through the chest plate and up through the head using the threading tool that came with your Resusci® Junior*. (See **figure 10.**)

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Now place the lung plate over the lung bag. Lay the Child Defibrillation Chest Skin on top of the chest of the manikin.



Figure 11

The new Defibrillation Chest Skin has holes at both edges for hooking into place on the Resusci® Junior* manikin. (See figure 11.)

Connecting Your Patient Simulator (or Arrhythmia Tutor, which is available separately)

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

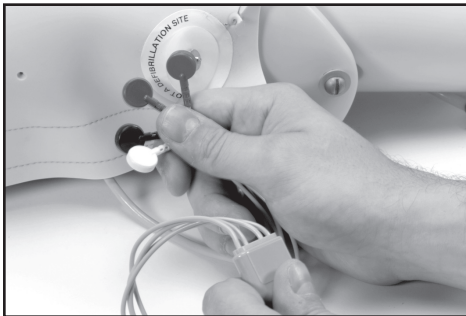


Figure 12

Nasco has designed the Child **CRiSis**™ System to be compatible with a variety of patient simulators. This is possible via the standard four lead snap cable. (See figure 12.) 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.)

Troubleshooting

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

Solution

1. Check your connections on the patient simulator; 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.

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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
Defibrillation Pad and
Patient Simulator
Adapter Package for
LifePak 10 and Lifepak 20

LF03657U Marquette Electronics
Defibrillation Pad and
Patient Simulator Adapter
Package

LF03658U SpaceLabs/Laerdal/
Heartstart/First Medic
Defibrillation Pad
and Patient Simulator
Adapter Package

LF03961U Zoll Training Cables with
Adapters

LF03962U Physio Control Training
Cables with Adapters
for LifePak 12

If you need help selecting the training pad adapters that correspond to your AED unit, please feel free to call us 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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