



# CPARLENE<sup>®</sup>

## 3000 SERIES

### INSTRUCTION MANUAL



**WARNING:** Products may contain dry natural rubber.

**5-Year Warranty**

<b>TABLE OF CONTENTS</b>	<b>PAGE</b>
<b>Identifying Your Model</b>	3-10
<b><u>Procedure A: Setting Up Your Simulator</u></b>	11-14
Maintenance	14, 15
Head Skin Replacement	15, 16
<b><u>Procedure B: Light Controller Setup</u></b>	17
<b><u>Procedure C: Electronic Monitoring, Memory, and Printer Unit Setup</u></b>	18-22
<b>Troubleshooting</b>	23, 24
<b>Replacement Parts List</b>	25, 26

## IDENTIFYING YOUR MODEL

Pages 3-10 display the **CPARLENE®** family of simulators. Identify your model and refer to the Operation Section pertaining to your model.

This guide has been carefully written to guide you in the operation of your unit. Depending on your model, please read the procedure(s) indicated. All models follow procedure A. Check your model description to see if procedures B or C pertain to your model.



### **CPARLENE®** BASIC TORSO

**LF03716U – Light**

**LF03816U – Dark**

#### **FEATURES:**

- Adult CPR Trainer
- Constricted and Dilated Pupils
- Obstructed Airway Capabilities
- Carotid Pulse
- Non-Rebreathing Airway System

#### **COMPONENTS:**

- Basic Adult Torso
- Short Sleeve Jacket
- Sanitary Face Mask
- Disposable Lower Airway
- Disposable Tracheal Airway
- White Fitting

**FOLLOW PROCEDURE A**



## **CPARLENE®** TORSO WITH ELECTRONIC CONNECTIONS

**LF03715U – Light**

**LF03815U – Dark**

### **FEATURES:**

- Adult/Child Modes
- Constricted and Dilated Pupils
- Obstructed Airway Capabilities
- Carotid Pulse
- Non-Rebreathing Airway System
- Ready for Use with **Life/form®** External Electronic Monitors (LF03401U and LF03403U sold separately)

### **COMPONENTS:**

- Adult/Child Torso with Electronic Connection
- Short Sleeve Jacket
- Sanitary Face Mask (5)
- Disposable Lower Airway (10)
- Disposable Tracheal Airway (10)
- Durable Soft Carrying Case with Wheels
- White Fittings (10)

**FOLLOW PROCEDURE A**



**CPARLENE®** TORSO WITH LIGHT CONTROLLER  
LF03714U – Light  
LF03814U – Dark

**FEATURES:**

- Adult/Child Modes
- Constricted and Dilated Pupils
- Obstructed Airway Capabilities
- Carotid Pulse
- Non-Rebreathing Airway System
- Ready for Use with External Electronic Monitors
- Light Controller that Indicates Hand Placement, Ventilation Volume, and Compression Depth

**COMPONENTS:**

- Adult/Child Torso with Electronic Connection
- Short Sleeve Jacket
- Sanitary Face Mask (5)
- Disposable Lower Airway (10)
- Disposable Tracheal Airway (10)
- Light Controller
- Durable Soft Carrying Case with Wheels
- “C” Batteries (4)
- White Fittings (6)

**FOLLOW PROCEDURES A AND B**



## **CPARLENE®** BASIC FULL MANIKIN LF03943U

### **FEATURES:**

- Adult CPR Trainer
- Constricted and Dilated Pupils
- Obstructed Airway Capabilities
- Carotid Pulse
- Non-Rebreathing Airway System
- Life-Sized for Victim Positioning

### **COMPONENTS:**

- Basic Adult Full-Body Manikin
- Long Sleeve Jacket
- Pants
- Sanitary Face Mask
- Disposable Lower Airway
- Disposable Tracheal Airway
- Hard Carrying Case with Wheels
- White Fitting

**FOLLOW PROCEDURE A**



## **CPARLENE®** FULL MANIKIN WITH LIGHT CONTROLLER LF03933U

### FEATURES:

- Adult/Child Modes
- Constricted and Dilated Pupils
- Obstructed Airway Capabilities
- Carotid Pulse
- Non-Rebreathing Airway System
- Life-Sized for Victim Positioning
- Light Controller that Indicates Hand Placement, Ventilation Volume, and Compression Depth

### COMPONENTS:

- Adult Full Body Manikin with Electronic Connection
- Long Sleeve Jacket
- Pants
- Sanitary Face Mask (5)
- Disposable Lower Airway (10)
- Disposable Tracheal Airway (10)
- Hard Carrying Case with Wheels
- “C” Batteries (4)
- White Fittings (10)

**FOLLOW PROCEDURES A AND B**



## **CPARLENE®** FULL MANIKIN WITH ELECTRONIC CONNECTIONS

**LF03713U – Light**

**LF03813U – Dark**

### **FEATURES:**

- Adult/Child Modes
- Constricted and Dilated Pupils
- Obstructed Airway Capabilities
- Carotid Pulse
- Non-Rebreathing Airway System
- Life-Sized for Victim Positioning
- Ready for Use with **Life/form®** External Electronic Monitors (LF03401U and LF03403U sold separately)

### **COMPONENTS:**

- Adult Full Body Manikin with Electronic Connection
- Long Sleeve Jacket
- Pants
- Sanitary Face Mask (5)
- Disposable Lower Airway (10)
- Disposable Tracheal Airway (10)
- Hard Carrying Case with Wheels
- White Fittings (10)

**FOLLOW PROCEDURE A**





## **CPARLENE®** FULL MANIKIN WITH MEMORY UNIT AND PRINTER

**LF03711U – Light**

**LF03811U – Dark**

### **FEATURES:**

- Adult/Child Modes
- Constricted and Dilated Pupils
- Obstructed Airway Capabilities
- Carotid Pulse
- Non-Rebreathing Airway System
- Electronic Monitoring, Memory, and Printer Unit with:
  - Adult and Child Settings
  - Light Signals Indicating Hand Placement, Ventilation Volume, and Compression Depth
  - Practice and Test Modes
  - Printed Report with Plotted Performance Averages
  - Bright Digital Display
  - Power Saver Automatic Shutdown After 30 Seconds of Inactivity

## COMPONENTS:

- Adult Full Body Manikin with Electronic Connection
- Long Sleeve Jacket
- Pants
- Sanitary Face Mask (5)
- Disposable Lower Airway (10)
- Disposable Tracheal Airway (10)
- Hard Carrying Case with Wheels
- Electronic Monitoring, Memory, and Printer Unit
- “D” Batteries (6)
- Printer Paper (3 rolls, not pictured)
- White Fittings (10)

FOLLOW PROCEDURES A AND C

## PROCEDURE A: SETTING UP YOUR SIMULATOR

Your **CPARLENE®** simulator has been packed securely for safe shipment. Please follow these simple setup procedures.

### Packing

1. Remove product from packaging.
2. Keep packaging materials for storage.

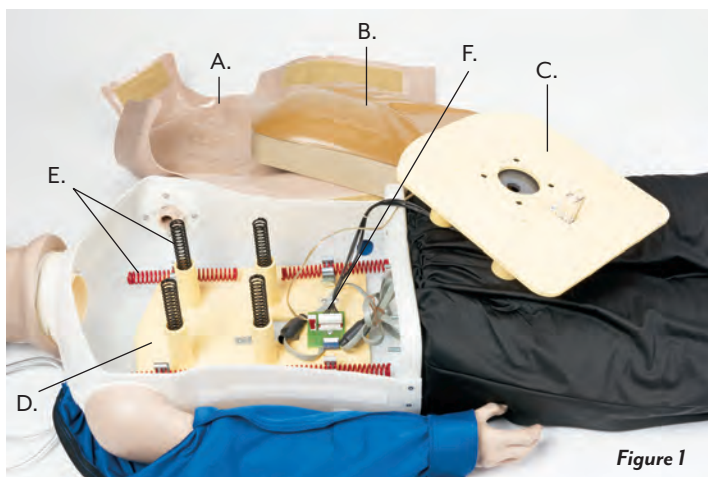


Figure 1

- |                            |                            |
|----------------------------|----------------------------|
| A. Chest Skin              | D. Lower Compression Plate |
| B. Chest Plate             | E. Compression Springs     |
| C. Upper Compression Plate | F. Electronic Connections  |

### Torso

3. Unzip jacket, remove chest skin, chest plate, and upper compression plate.

**Note:** On electronic models, care should be taken when removing the chest plate and upper compression plate to avoid damage to the electronics. (See figure 1.)

### Springs

4. Insert springs (black/adult, or red/child) into the four plastic cylinders extending up from the lower compression plate. (See figure 1.) Some models provide clamps inside the manikin torso to hold additional springs when not in use.

### Disposable Trachea

5. Before inserting disposable trachea, remove longer white fitting from the lower end of the tube. (See figure 2.)



Figure 2



Figure 3

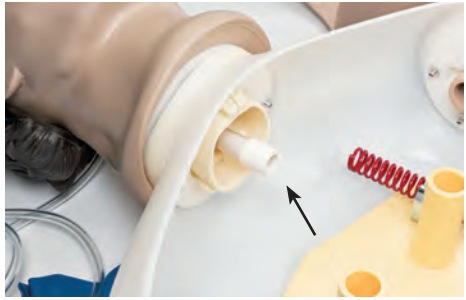


Figure 4



Figure 5



Figure 6

6. Tilt back **CPARLENE'S®** head to open airway. Insert trachea into mouth until the smaller white fitting is flush with the lips. (**See figure 3.**) Reinsert longer white fitting into disposable trachea tubing at the end of neck. (**See figure 4.**)

### Lower Airway

The airway and lung system (installed) are equipped with a non-rebreathing valve to ensure that air ventilated into the unit cannot exhaust back through the mouth.

7. To install a new lower airway, first detach the lung bag from the corrugated tubing by gently pulling apart. (**See figure 5.**)
8. With the manikin's chest skin, chest plate, and upper compression plate removed, connect the red fitting of the lower airway to the white fitting of a new trachea. (**See figure 6.**)
9. Push the shorter length of the corrugated tubing up through the bottom of the upper compression plate.



**Figure 7**

10. Re-secure the lung bag to the corrugated tubing and lay flat atop the upper compression plate. (**See figure 7.**)
11. The longer length of corrugated exhaust tubing should be vented out the right side of the torso.
12. Replace the upper compression plate in the torso, taking care to line up the springs and the cylinders of the upper/lower compression plates.

**Note:** On electronic models, ensure that all wires are securely connected before reassembling the manikin for use. (**See figure 8.**)



**Figure 8**

## Test

13. Test your airway by ventilating the **CPARLENE®**. Lungs should inflate. If there is any difficulty encountered in ventilating the manikin, check the airway and lung connections.

**Note:** Be sure to tilt back the head during ventilations to open the airway.

14. Replace chest plate and chest skin.

### Electronics Option

Guide the electronic connection wire through the hole on either the left or right side of the manikin. (See figure 9.)

### Sanitary Face Mask

Use of the sanitary face mask with non-rebreathing valve provided with your manikin is recommended when performing mouth-to-mouth resuscitation. Each student should be provided with a sanitary face mask.



Figure 9

To install, insert the fitting of the sanitary face mask securely into the manikin's mouth and adjust the skin over the nose and chin. (See figure 10.)

Use of a bag valve mask is also acceptable and does not require a sanitary face mask.

### Manual Carotid Pulse

All versions of **CPARLENE**<sup>®</sup> are equipped with a squeeze bulb for activating the manual carotid pulse.



Figure 10

## MAINTENANCE:

### Sanitation

Regular cleaning and maintenance will reduce the chances of disease transmission and extend the life of your manikin. All cleaning and disinfecting should follow current standards and guidelines recommended by the Centers for Disease Control, the American Heart Association, and the American Red Cross.

Used trachea, fittings, and lower airways are not meant to be sanitized for repeated use and should be removed from the manikin and discarded before storage. See list of replacement parts.

## Lower Airway Replacement

The entire airway system is disposable and should not be sanitized for repeated use. This includes the tracheal airway, fittings, and lower airway with lung bag.

1. To remove the lower airway, first remove the chest skin and chest plate.
 

**Note:** On electronic models, care should be taken when removing the chest plate and upper compression plate to avoid damage to the electronics.
2. Disconnect the lung bag by gathering the lung near the connection point and pulling upward. Discard.
3. Remove upper compression plate.
4. Disconnect the lower airway from the trachea (red fitting).
5. Remove exhaust tubing from hole in side of manikin torso and pull complete lower airway free from torso. Discard.
6. Remove tracheal airway by first removing the white fitting at the base of the throat and pushing up on the bottom of the trachea until it begins to exit the mouth. Discard both trachea and white fitting.
 

**Note:** Be sure to tilt back the head of the manikin in order to open the airway, making the removal of the trachea easier to accomplish.

## Clothing

**CPARLENE**® clothing can be machine washed in cold water on a gentle wash cycle. Mild detergent should be used. Tumble dry on low heat setting.

## Skin Surfaces

The material used to fabricate **CPARLENE'S**® skin is washable and should be kept clean. Don't allow the skin to become severely soiled before washing. Nasco Cleaner (LF09919U, sold separately) can be used for particularly difficult stains, and the skin areas should then be washed with soap and water after using Nasco Cleaner.

**Note:** Do not use Nasco Cleaner around the mouth and nostrils of the manikin, as the residue of the cleaner could be toxic.

Plastics of the type used for **CPARLENE'S**® skin are particularly susceptible to staining by inks or cosmetics. These materials actually penetrate the skin, leaving an indelible mark that cannot be removed by cleaning.

Avoid contact with newsprint, ballpoint pens, or any printed material.

## HEAD SKIN REPLACEMENT:

### Removing Molded Hair

1. Pry four plugs from front of molded hair. (See figure 11.)
2. Remove each of the four screws and washers previously covered by the plugs, using a medium Phillips-head screwdriver.
3. Molded hair will now lift away from head.



## Removing Head Skin

1. Disconnect the tracheal airway from the lower airway by pulling the tubing apart at the base of the head.
2. Rotate the head 180° until facing backward, align keyways in the neck, and pull toward you to remove head. (See figure 12.)
3. Unbutton the two neck straps on the back of the neck.
4. Remove the foam neck ring.
5. Remove the four screws and plastic “C” ring from the bottom of neck. (See figure 13.)



Figure 12

## Replacing Head Skin

1. Pull the skin over the skull and adjust the jaw to proper location.
2. Replace the “C” ring and four screws.
3. Secure the neck straps.
4. Return the foam ring to the bottom of the head.
5. Return the head to the torso following reverse procedure of removal.



Figure 13

## Attaching Molded Hair

1. Place molded hair on head and align four holes in scalp with four holes in molded hair.
2. Place four washers onto four screws.
3. Using medium Phillips-head screwdriver, attach four screws with washers through molded hair, scalp, and skull. Do not overtighten.
4. Matching the dots on the four plugs to the dots in the four molded hair recesses, press plugs into recesses and align the plugs with the direction of surrounding hair.



Adult/Child  
Switch on All  
Monitors



## Light Controller

LF03403U

Three-color light controller indicates acceptable levels. Red flashing light indicates improper hand placement, green flashing light indicates proper ventilation volume, and yellow flashing light indicates proper compression depth. Child CPR can be practiced by changing the compression springs from black (adult) to red, and switching to Child setting on the back of the light controller.

### PROCEDURE B: Light Controller/Setup

Remove the cover using a medium-sized Phillips head screwdriver. Batteries are included (use “C” cell alkaline batteries).

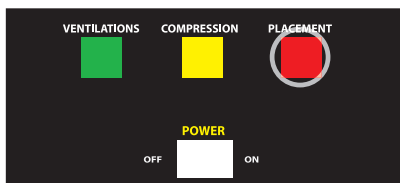


Figure 14

### Operation

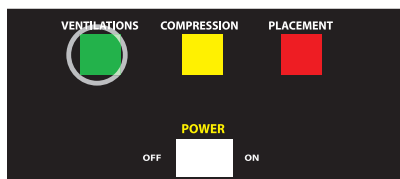
1. Locate the electronic interface jack inside the manikin torso and thread through a hole on either the left or right side of the torso. (See figure 14.)
2. Insert jack into light controller.
3. Set light controller to adult or child mode using switch.

### Hand Placement (Red Light)



The red placement light will illuminate every time the chest is compressed 1.00 inch and the proper hand placement has not been accomplished.

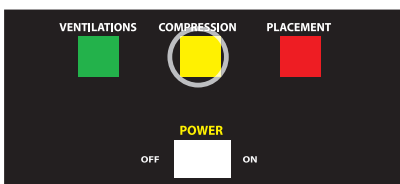
### Ventilations (Green Light)



**Adult Setting:** The green ventilation light will illuminate every time the ventilation of 0.80 liters is reached. It will turn off when volume drops below this level.

**Child Setting:** The ventilation light will illuminate every time the ventilation of 0.50 liters is reached. It will turn off when volume drops below this level.

### Compressions (Yellow Light)



**Adult Setting:** The yellow compression light will illuminate every time the compression depth of 2.00 inches is reached. It will turn off when it drops below this depth or if it exceeds 2.50 inches.

**Child Setting:** The compression light will illuminate every time the compression depth of 1.75 inches is reached. It will turn off when it drops below this depth or if it exceeds 2.25 inches.



LF03401U

### Electronic Monitoring, Memory, and Printer Unit

Simple and accurate feedback! Select one of the four modes (compression rate, compression depth, ventilation duration, ventilation volume) by pushing the indicator switch. Red light indicates improper hand placement, yellow light signals proper compression depth of 2.0-2.5 inches adult/1.75-2.25 inches child. Green light signals proper ventilation volume at 0.80 liters adult/0.50 liters child. The performance of each skill is displayed separately, while averages are stored in the memory. Designed to automatically switch between the compression and ventilation modes, depending on which one is being applied.

Can be used for practicing adult or child CPR. To practice CPR on a child, use the red compression springs in the manikin torso and select CHILD on the back of the printer unit. For testing, simply push test start button and begin CPR sequence. Compression and ventilation waveforms are plotted in a time sequence. When stop button is pushed, averages of the four skills are shown on the digital display while the printer tabulates the result on paper.



Figure 15

### PROCEDURE C: Electronic Monitoring, Memory, and Printer Unit Setup

Remove the cover using the key provided and inserting it in the four open slots on the sides of the unit (two on each side). (See figure 15.) Press inward while gently applying upward pressure (do not turn key) until you hear a soft click. If the supplied key is not available, a small screwdriver can be used.

#### Battery Installation

Six “D” cell alkaline batteries are included. You may find it easier to remove or install batteries if the center two batteries are removed first and installed last.

The unit will still function for several hours under normal use. The “Low Battery” light indicates the end of the batteries’ useful life. A low battery condition can also be indicated by skips or unwanted feed lines in the printout.

#### Operation

1. Locate the electronic interface jack inside the manikin torso and thread through a hole on either the left or right side of the torso. Insert jack into light controller.
2. Set light controller to adult or child mode using switch.

## Paper Installation

1. Remove the cover. (See battery installation on page 18.)
2. Remove platen from bracket by gently pulling up on one end. (See figure 16.)

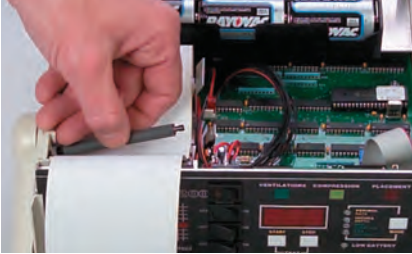


Figure 16

3. Remove the plastic paper holder rod from the paper holder bracket by applying a slight outward pressure to the bracket until the rod can be removed. Care should be taken not to bend too far or the bracket may become deformed and not hold paper securely.



Figure 17



Figure 18

4. Insert plastic through the center of a new paper roll. (See figure 17.) Reinstall into bracket so that the paper feeds off the bottom of the roll pointing towards the front of the printer. (See figure 18.)

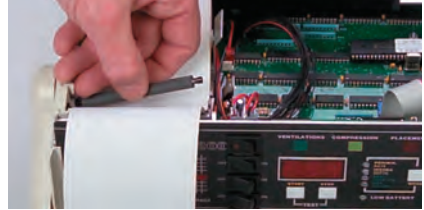


Figure 19

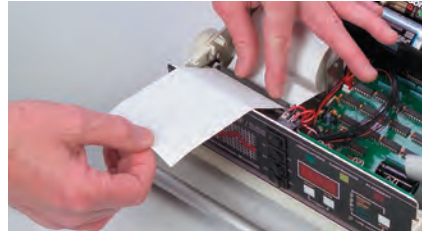


Figure 20

5. While keeping paper taut, position the paper within the guides of the printer and reinstall the platen so that the gears of the platen engage with the gears of the printer. (See figure 19.) Gently insert platen in bracket until it snaps into place. (See figure 20.)
6. While continuing to keep paper taut, press the Paper Feed switch on the front panel until 7" to 8" have fed through the printer to make sure paper is properly aligned and feeding straight. Repeat step 5 if necessary.



Figure 21

7. Feed paper through paper guide in the top cover and replace cover by aligning the slots and tabs on the unit and pushing down on the cover to snap into place. (See figure 21.)

## PRACTICE MODES SESSIONS

Select one of the four modes you wish to practice by pushing the mode button until the red light corresponding to the proper mode illuminates. The unit will advance the light one position each time the mode key is pushed. (See figure 22.) The unit will automatically switch between compression and ventilation modes, depending on which one is being applied.



Figure 22

### Compression Rate

In the compression rate mode, the unit will display the average rate in compressions per minute of the last five compressions. The unit will continue to update this average until you change modes or push the stop button. Upon pushing the stop button, the unit will calculate and display the average compression rate of all compressions from the start of the present cycle. Any compressions made after the stop button is pushed will start a new cycle.

### Compression Depth

In the compression depth mode, the unit will display the average depth in inches of the last compression. The unit will continue this display mode until the mode is changed or the stop button is pushed. Upon pushing the stop button, the unit will calculate and display the average depth of all compressions from the start of the present cycle. Any compressions made after the stop button is pushed will start a new cycle.

**Note:** Failure to allow the torso to fully recoil after each compression will negatively affect the student's average.

### Ventilation Duration

In the ventilation duration mode, the unit will display the duration in seconds of the last ventilation. The unit will continue this display mode until the mode is changed or the stop button is pushed. Upon pushing the stop button, the unit will calculate and display the average duration of all ventilations from the start of the present cycle. Any ventilations made after the stop button is pushed will start a new cycle.

### Ventilation Volume

In the ventilation volume mode, the unit will display the volume in liters of the last ventilation. The unit will continue this display mode until the mode is changed or the stop button is pushed. Upon pushing the stop button, the unit will calculate and display the average volume of all ventilations from the start of the present cycle. Any ventilations made after the stop button is pushed will start a new cycle.

### Auto Mode

This unit is designed to automatically switch between compression and ventilation modes, depending on which one is being applied.

### Defibrillation “Defib” Mode

This unit is designed with a defib simulator. After the defib button is pressed, a light indicating so will illuminate. The light will remain on for 30 seconds. While this light is on, no further defibrillations can be performed. A “lightning bolt” icon will also appear on the printout at this point.

**Note:** This manikin cannot be shocked with a defibrillator. The 30-second pause is to simulate the time it would take to administer defibrillation to the patient.

## Auto Power Down

To increase battery life, the unit will automatically shut off the display and go to a standby mode if no activity is sensed for approximately 30 seconds. The display will turn on when any compression or ventilation activity is sensed. You can also reactivate the display by pressing the mode or start button.

## TEST MODES

To begin a test, press the start button. Pressing the start button will clear all registers.

### Compression Rate

In the compression rate mode, the unit will display the average rate in compressions per minute of the last five compressions. The unit will continue to update this average until you change modes or push the stop button. Upon pushing the stop button, the unit will calculate and display the average compression rate of all compressions from the start of the present cycle.

**Example:** For the first compression cycle of 30 compressions, an average rate of 60 compressions per minute (CPM) was obtained. Then two ventilations were applied to the manikin. Then a second compression cycle of 30 was applied, at an average rate of 100 CPM, and then the stop button was pushed. The unit would calculate and display the overall average of 80 CPM.

### Compression Depth

In the compression depth mode, the unit will display the average depth in inches of the last compression. The unit will continue this display mode until the mode is changed or the stop button is pushed. Upon pushing the stop button, the unit will calculate and display the average depth of all compressions from the start of the present cycle.

## Ventilation Duration

In the ventilation duration mode, the unit will display the duration in seconds of the last ventilation. The unit will continue this display mode until the mode is changed or the stop button is pushed. Upon pushing the stop button, the unit will calculate and display the average duration of all ventilations from the start of the present cycle.

Adult	Child
2.00 - 2.50"	1.75 - 2.25"
Over 2.50"	Over 2.25"
0.00 - 2.00"	0.00 - 1.75"

Place = Compression depth of 1.0" with improper hand placement

## Ventilation Volume

In the ventilation volume mode, the unit will display the volume in liters of the last ventilation. The unit will continue this display mode until the mode is changed or the stop button is pushed. Upon pushing the stop button, the unit will calculate and display the average volume of all ventilations from the start of the present cycle.

Adult
Over 0.80 liters (800 ccs)
Over 2.00 liters (2000 ccs)
Under 0.80 liters (80 ccs)

Child
Over 0.50 liters (800 ccs)
Over 2.00 liters (2000 ccs)
Under 0.50 liters (80 ccs)

## Printer On

If a printout of the compression and ventilation waveforms and defibrillation is desired, switch the printer switch to the "on" position and press the start button. The printer will print the following (this is an adult test). (See figure 23.)

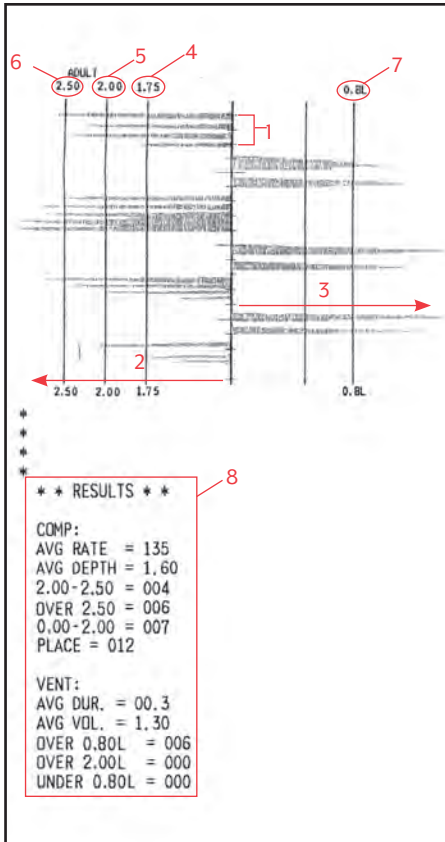


Figure 23

## Reading the Printout

### Ventilation/Compression Limits

The ventilation limits are labeled 0.5 L and 0.8 L.

The compression limits are labeled 2.00" and 2.50" for adult and 1.75" and 2.25" for child, depending on your selected setting.

## Waveform Printout

All compression and ventilation waveforms are plotted. On completion of a test, press the stop button. The final results will be calculated and printed out as shown. (See figure 23.)

It shows:

1. Vertical time scale:  $\frac{1}{8}$ " = 1 second.
2. Axis for compression waveforms start at the center and goes left.
3. Axis for ventilation waveforms start at the center and goes right.
4. 1.75" limit line for compressions is the low level limit for compressions when in the child setting.
5. 2.00" limit line for compressions.
6. 2.50" limit line for compressions.
7. 500 cc line for child ventilations (0.50 liters).  
800 cc line for adult ventilations (0.80 liters).
8. Printout of final test results shows every event during the test and consists of compression and ventilation averages, compressions with correct placement, and amount of compressions and ventilations within the three specified ranges of depth and volume.

## TROUBLESHOOTING

Occasionally slight adjustments need to be made to your **CPARLENE®** equipment to restore optimum performance. Here are four common concerns.

### The lungs will not fill with air.

1. Reposition head to open airway.
2. Check airway to see if it is twisted or “kinked.”

### The air enters body easily, but lungs do not fill.

1. Airway tubing may be disconnected.
2. Lung bag has a leak and should be replaced.

### The compressions are noisy.

1. Try repositioning or inverting the springs. Check for bent springs.

### The compression strokes are short.

1. Examine cavity to see if exhaust hose or electrical wire is out of place.



Figure 24



Figure 25

### The red placement light is continuously on, indicating improper hand placement.

1. Turn power off.
2. The chest plate sensor has become disconnected from the red connector in the chest cavity. (See figure 24.)
3. Check inside chest cavity to see if electronic bar reader assembly is in proper vertical alignment. (See figure 25.)
4. Turn power on and test.

### The compression depth indicator reports only low compressions.

1. Turn power off.
2. Check alignment of lower slide and upper groove reader inside chest cavity.
3. Turn power on and test.

**The ventilation volume indicator reports low or no levels.**

1. Turn power off.
2. Check to see if the lung bag is properly installed. Lung bag may be blocking the ventilation reader.
3. Check to see that ventilation reader slides easily.
4. Ensure the chest skin is not too tight.
5. Turn power on.

**Low battery light remains on.**

1. Turn power off.
2. Replace batteries.
3. Turn power on.

**Printout is of poor quality or not printing complete lines.**

1. Turn power off.
2. Check battery installation and change batteries if necessary.
3. Turn power on.

Actual product may vary slightly from photo. Nasco reserves the right to change product color, materials, supplies, or function as needed.



**CPARLENE® REPLACEMENT PARTS**



## REPLACEMENT PARTS

### Part No. Description

<b>LF03120U</b>	Sanitary face masks (5 qty.)	<b>LF03346U</b>	Child spring (set of 4)
<b>LF03121U</b>	Sanitary face masks (25 qty.)	<b>LF03350U</b>	Spring holders (set of 4)
<b>LF03122U</b>	Disposable tracheal airways (10 qty.)	<b>LF03370U</b>	Top-sensing assembly
<b>LF03123U</b>	CPR valves (for Sanitary <b>CPARLENE</b> ®)	<b>LF03380U</b>	Lower-sensing assembly
<b>LF03135U</b>	Eye — dilated (left)	<b>LF03390U</b>	Printer cord and plug assembly
<b>LF03136U</b>	Eye — constricted (right)	<b>LF03401U</b>	Electronic monitoring, memory, and printer unit
<b>LF03150U</b>	Skull	<b>LF03403U</b>	Light controller
<b>LF03151U</b>	Neck	<b>LF03430U</b>	Printer upgrade for monitoring and memory unit
<b>LF03152U</b>	Jaw assembly	<b>LF03451U</b>	Thermal printer paper (6)
<b>LF03153U</b>	C-ring	<b>LF03460U</b>	Batteries (6/pkg.)
<b>LF03154U</b>	Foam neck ring (set of 4)	<b>LF03465U</b>	Full manikin hard case
<b>LF03162U</b>	Complete head assembly with skin — sanitary head/molded hair	<b>LF03466U</b>	Torso manikin soft case
<b>LF03180U</b>	Complete pulse simulation kit	<b>LF03478U</b>	Airway locking clamp
<b>LF03190U</b>	Torso shell	<b>LF03479U</b>	Syringe with tubing
<b>LF03191U</b>	Outer chest skin — Light	<b>LF03484U</b>	Brushes/cotton swabs
<b>LF03201U</b>	Foam shoulder rings (set of 2)	<b>LF03485U</b>	Gloves (2 pair)
<b>LF03203U</b>	Left arm	<b>LF09919U</b>	Nasco Cleaner
<b>LF03213U</b>	Right arm	<b>LF03520U</b>	Short-sleeve jacket
<b>LF03223U</b>	Lower body (clothed)	<b>LF03525U</b>	Long-sleeve jacket
<b>LF03240U</b>	Complete airway (lung bags not included)	<b>LF03530U</b>	Pants
<b>LF03250U</b>	Non-rebreathing valve, body and diaphragm, lung bag connector, and o-ring	<b>LF03604U</b>	<b>CPARLENE</b> ® — replacement head skin
<b>LF03260U</b>	Diaphragm (set of 4)	<b>LF03605U</b>	<b>CPARLENE</b> ® — replacement lungs
<b>LF03281U</b>	Lung bags (10 qty.)	<b>LF03711U</b>	Full manikin with memory unit and printer, white
<b>LF03282U</b>	Lung bags with fittings (10 qty.)	<b>LF03713U</b>	Full manikin with electronics, light
<b>LF03283U</b>	Lung bags with fittings (100 qty.)	<b>LF03714U</b>	Torso with light controller, light
<b>LF03299U</b>	Adapter for disposable lower airway	<b>LF03715U</b>	Torso with electronic connections, light
<b>LF03300U</b>	Disposable lower airway (10 qty.)	<b>LF03716U</b>	Basic torso, light
<b>LF03321U</b>	Lung bag connector and o-ring	<b>LF03811U</b>	Full manikin with memory unit and printer, dark
<b>LF03340U</b>	Complete compression unit	<b>LF03813U</b>	Full manikin with electronics, dark
<b>LF03341U</b>	Inner chest structure with switch block	<b>LF03814U</b>	Torso with light controller, dark
<b>LF03342U</b>	Compression switch	<b>LF03815U</b>	Torso with electronic connections, dark
<b>LF03343U</b>	Lung cover plate	<b>LF03816U</b>	Basic torso, dark
<b>LF03344U</b>	Compression set	<b>LF03943U</b>	Basic full manikin
<b>LF03345U</b>	Adult spring (set of 4)		

## Other Available *Life/form*® Simulators

<b>LF03601U</b>	Adult Airway Management Trainer with Stand	<b>LF03709U</b>	Infant <b>CRISIS</b> ™ Manikin
<b>LF03602U</b>	Adult Airway Management Manikin	<b>LF03720U</b>	<b>Baby Buddy</b> ™ Infant CPR Manikin
<b>LF03609U</b>	Child Airway Management Trainer with Stand	<b>LF03750U</b>	Bariatric CPR Manikin
<b>LF03616U</b>	Child <b>CRISIS</b> ™ Manikin	<b>LF03770U</b>	Chest Tube Manikin
<b>LF03617U</b>	Deluxe Child <b>CRISIS</b> ™ Manikin with ECG Simulator Tutor	<b>LF03953U</b>	<b>CRISIS</b> ™ Manikin, Complete
<b>LF03623U</b>	Infant Airway Management Trainer with Stand	<b>LF03955U</b>	Deluxe <b>CRISIS</b> ™ Manikin
<b>LF03632U</b>	Child Intraosseous Infusion/ Femoral Access Leg on a Stand	<b>LF03956U</b>	Deluxe “Plus” <b>CRISIS</b> ™ Manikin
<b>LF03633U</b>	Child Airway Management Trainer Torso	<b>LF03965U</b>	Adult <b>CRISIS</b> ™ Auscultation Manikin
<b>LF03693U</b>	<b>Basic Buddy</b> ® CPR Manikin	<b>LF03966U</b>	Adult <b>CRISIS</b> ™ Auscultation Manikin with ECG Simulator
<b>LF03699U</b>	“Airway Larry” Airway Management Trainer	<b>LF04200U</b>	Adult Sternal Intraosseous Infusion
		<b>LF06001U</b>	CPR Prompt® Adult/Child Manikin
		<b>LF06012U</b>	CPR Prompt® Infant Manikin

LF03966U



LF03617U



ONLINE: [NascoHealthcare.com](http://NascoHealthcare.com)  
 E-MAIL: [lifeform@enasco.com](mailto:lifeform@enasco.com)  
 PHONE: 1.800.431.4310  
 ADDRESS: 901 Janesville Ave.  
 Fort Atkinson, WI 53538