



Adam , A.J.

&

Defibrillation Trainer

CPR Training Manikins

**Instructions
For Use, Care and
Maintenance**



Latex Free

The purpose of this manual is to familiarize the user with the function, care and maintenance of the Simulaids Adam CPR™ and AJ CPR™ training manikins. It is not meant to provide instruction in Cardiopulmonary Resuscitation (CPR) or other emergency life support procedures. Please read it thoroughly before attempting to use your manikin. All Simulaids manikins are designed and manufactured to exacting standards and will provide years of effective and trouble free use when the simple steps of care and maintenance are regularly performed after each training session.

FEATURES

Both Adult & Child models are designed to assist in the training and practice of CPR. **VENTILATION:** The lung will inflate and the chest will rise when mouth-to-mouth, bag valve-mask or mechanical ventilation is properly performed. **EXTERNAL CARDIAC COMPRESSION:** The manikins feature the important anatomical landmarks necessary to effectively teach and practice external cardiac compression. These include the rib cage, jugular notch, sternum and xiphoid process.

A carotid pulse is activated when the pulse bulb assembly is connected to the port on the side of the head, and the bulb is squeezed. The instructor can vary the rate and intensity of the carotid pulse by the effort applied to the bulb.

In addition to CPR, your manikin is designed to teach and practice the techniques of **ABDOMINAL THRUST**, for the removal of foreign body obstruction.

HOW IT OPERATES

To promote sanitary practice both Adam CPR™ and AJ CPR™ use a system which incorporates individual **MOUTH/NOSE** pieces that are provided to **each student** and inserted into the face cavity of the manikin. It is important that the **MOUTH/NOSE** piece is **seated securely** on the stem in the mouth of the manikin's head. (Fig. #1)

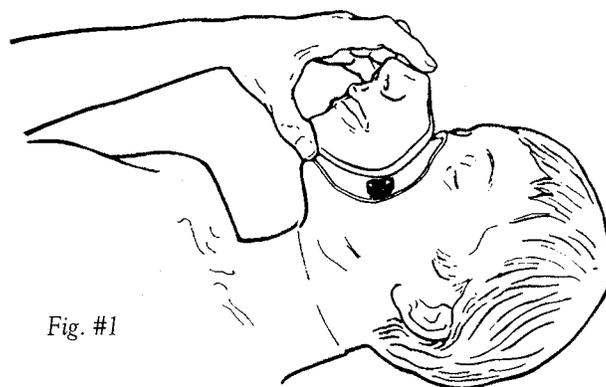


Fig. #1

INFLATION

When the head is in a neutral position, the ball in the AIRWAY CUT-OFF VALVE is in a forward position, preventing air from entering the lungs. This replicates an obstructed airway of an unconscious person in need of emergency ventilation. (Fig. #2)

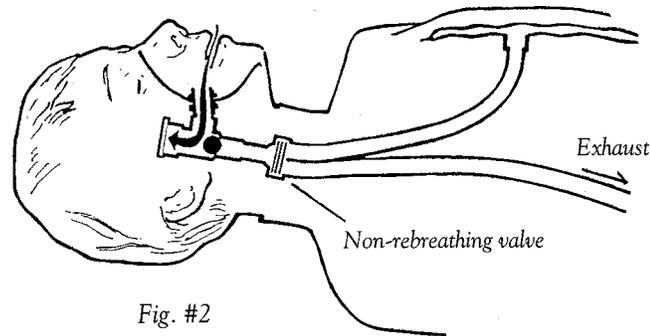


Fig. #2

When proper head tilt and chin lift is applied, the ball will roll rearward and open the valve. This allows the air to pass through the corrugated tube in the neck and the non-rebreathing valve. Air then enters the lung and causes a visible rise in the chest. (Fig. #3)

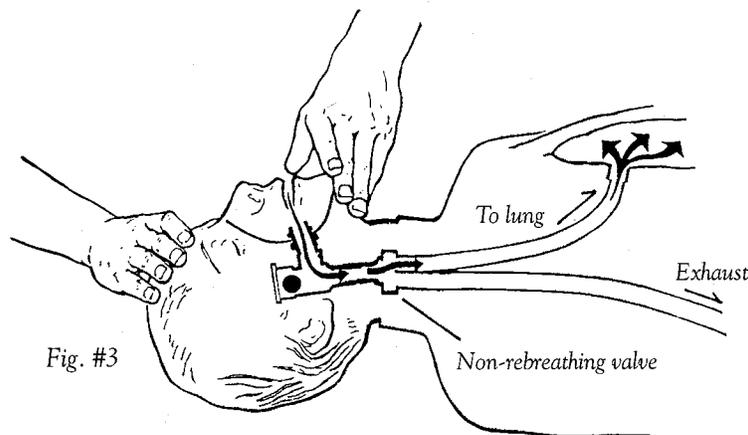


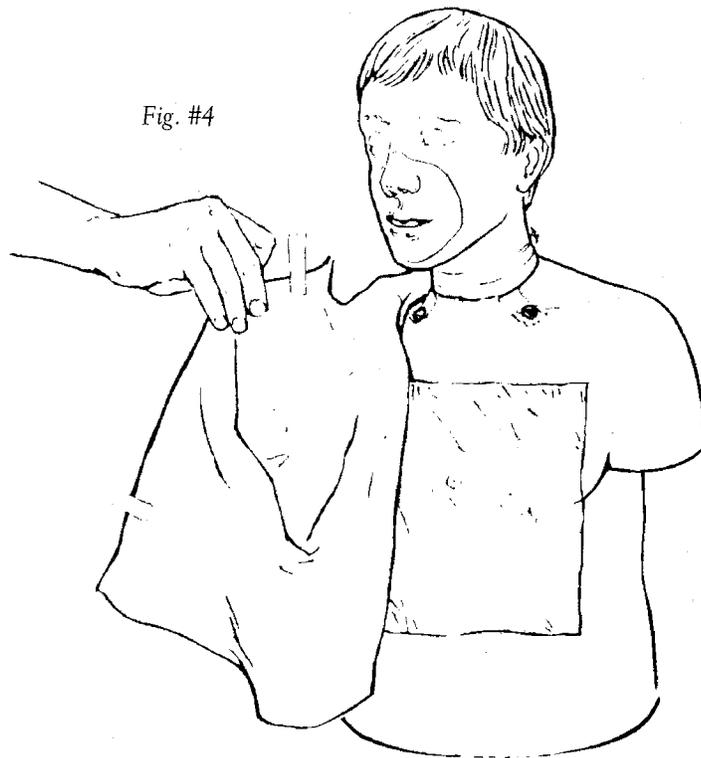
Fig. #3

EXHALATION

When inflation ceases the non-rebreathing valve closes and prevents the return of air to the mouth and nose. When the lung deflates, the air vents out the exhaust tube through a port at the base of the torso to the open air.

DISASSEMBLY

1. After removing shirt and carotid pulse bulb assembly, remove CHEST SKIN from torso and remove/discard the disposable lung. (Fig. #4)



2. Remove EXHAUST TUBE from port at base of torso. (Fig. #5)

Fig. #5

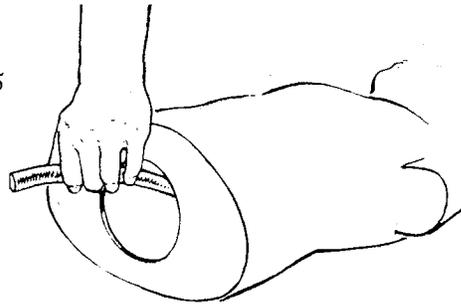
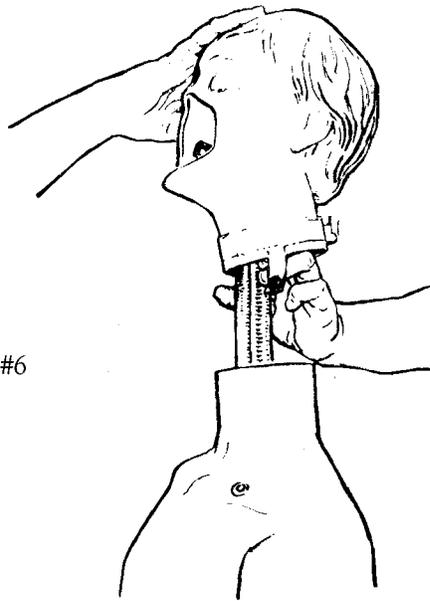
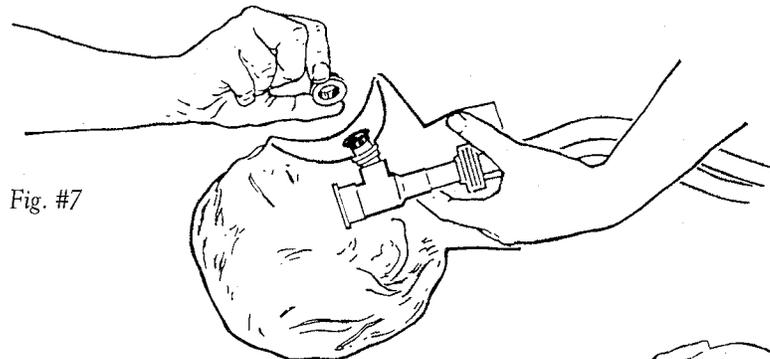


Fig. #6



3. Stand torso upright and remove mouth/nose piece from face. Remove HEAD by unsnapping the two tab strips and lift from torso with valve and tubes attached. (Fig. #6)

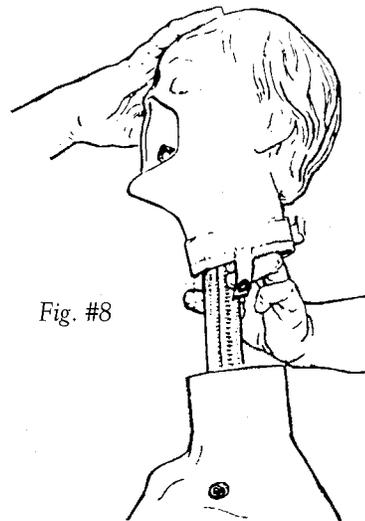
4. Remove AIRWAY CUTOFF VALVE from inside the head by unthreading nut inside oropharyngeal area. (Fig. #7) Set aside for cleaning and disinfecting.
NOTE: AIRWAY CUTOFF VALVE, MOUTH/NOSE pieces and LOWER AIRWAY may be cleaned and disinfected by following the procedure described in the manual. (Lungs cannot be reused.)



CLEANING & DISINFECTION

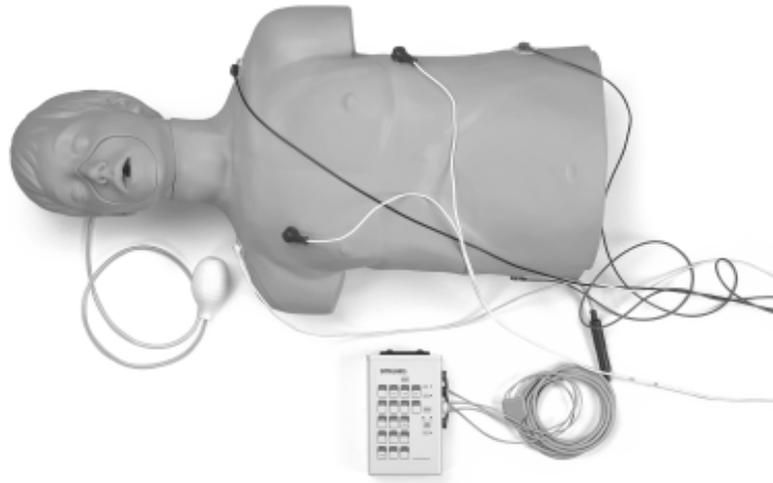
The only components of Adam CPR™ and AJ CPR™ that require scrupulous disinfection is the AIRWAY CUT-OFF VALVE and the MOUTH/NOSE pieces. The LOWER AIRWAY tubing and valve are designed to be disposed of at the end of the training class. However, they may be reused after carrying out the following procedure:

- 1) Clean in mild soapy water
- 2) Rinse thoroughly in clear water
- 3) Soak for 10 minutes in fresh hypochlorite solution of 1 part household bleach to 10 parts of water



REASSEMBLY AFTER CLEANING / DISINFECTION

1. Attach new LOWER AIRWAY tubing to AIRWAY CUTOFF VALVE. Then connect the valve to the inside of the head by inserting the stem through the oropharyngeal hole in the face. Screw on the plastic nut and tighten it down.
2. Slip HEAD on torso while guiding LOWER AIRWAY tubing down right side of torso interior. (Fig. #8)
3. Re-snap tabs to torso and reattach carotid pulse bulb assembly.
4. While manikin is on its back, attach new lung to tubing in chest, attach exhaust tubing to port in base and reattach CHEST SKIN.



No. 100 DEFIBRILLATION TRAINER

Do not open electronic boxes. There are no user serviceable electronic parts.

Lay manikin down, face up with neck collar when storing.

Before using this unit read all directions carefully.

Manikin Connections:

Manual Defibrillator:

Install proper adapters in the defibrillation sites on the overlay skin.

Connect the monitoring leads from the monitor to the lead positions on the skin.

Connect the four color coded leads from the defibrillation skin to the Arrhythmia Simulator Box.

Turn on the Arrhythmia Simulator Box to generate waveforms.

Deliver shock to manikin using paddles.

Semi-Automatic and Automatic Defibrillator:

Connect the four color coded leads from the defibrillation skin to the Arrhythmia Simulator Box.

Install proper adapters on the defibrillation sites on the overlay skin.

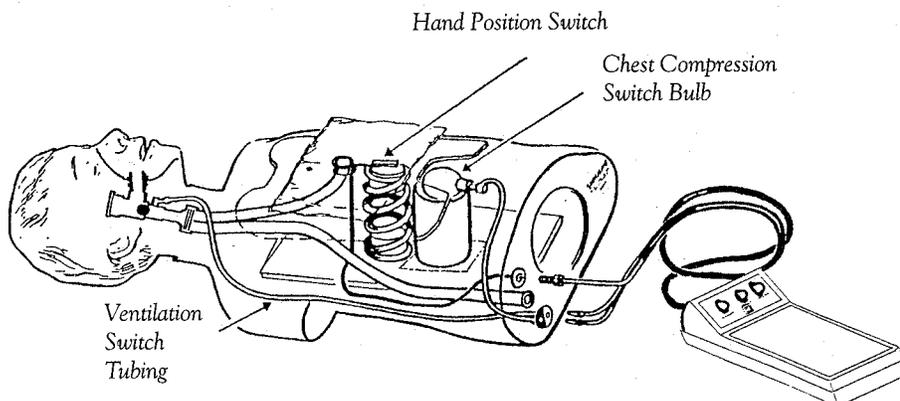
Connect the defibrillation electrodes from the monitor or AED to the defibrillation skin using gel pads with manual adapters, defib leads with adapters, or training cables with adapters.

Turn on the Arrhythmia Simulator Box to generate waveforms.

ILLUSTRATION:

Adam CPR™
WITH ELECTRONICS
Catalog #2300

AJ CPR™
WITH ELECTRONICS
Catalog #2400



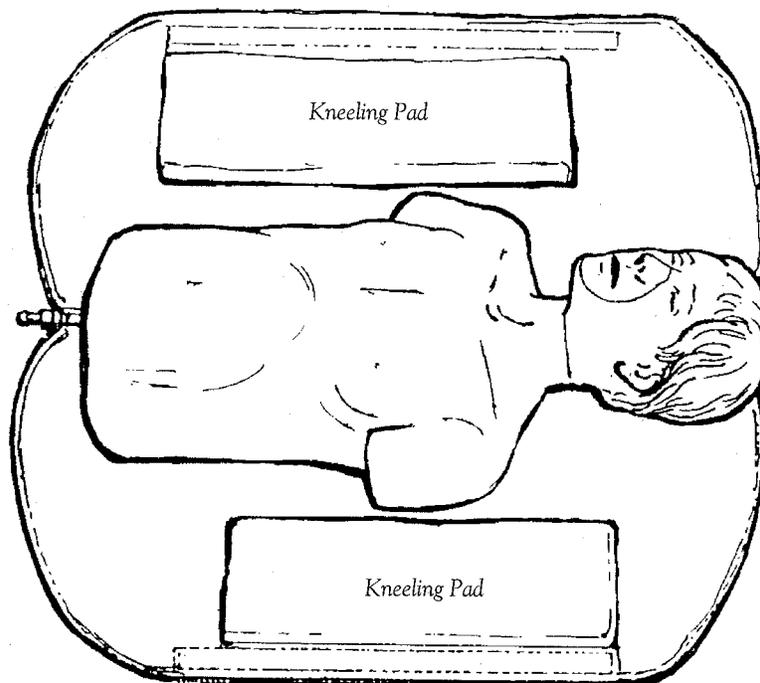
POWER SUPPLY / ELECTRONIC MODEL

The manikin console box contains 4 “AA” batteries (included). To replace batteries, slide open the panel from the underside of console box. Remove old batteries and replace with 4 new “AA” batteries in proper polarity (+ or -) direction. Slide the panel back into place. If the lights fail to flash, either the batteries are dead or the leads have become disconnected. Check to make certain that they are in the correct position, contact is being made, and tubing connections are tight. If a bulb ever fails, return the console to us for a bulb replacement.

CARRYING BAG WITH KNEELING PADS

The carrying bags for your Adam CPR™ and AJ CPR™ are designed so that when completely opened and placed on the floor with the manikin in the middle (see illustration), they become their own “Training/Practice Stations”

NOTE: (If the student will place his/her knee on the nylon bag while performing Abdominal Thrusts, it will keep the bag and the manikin from “walking” on the floor.)



SHIPPING WEIGHTS & DIMENSIONS

Adam CPR™	AJ CPR™
Wgt. 23 lbs. 10"x18"x31"	Wgt. 17 lbs. 10"x17"x27"

COMPONENTS

Nylon carrying bag.....#2021	.....#2526
Lower airway w/lung .....#2022 (10 ea.)	.....#2222 (10 ea.)
Lower airway w/lung .....#2022 (100 ea.)	.....#2222 (100 ea.)
Lung only .....#2030 (20 ea.)	.....#2230 (20 ea.)
Lung only .....#2030 (100 ea.)	.....#2230 (100 ea.)
Mouth/Nose pieces .....#2023 (10 ea.)	.....#2223 (10 ea.)
Head complete .....#2024	.....#2224
Chest skin .....#2025	.....#2225
Torso complete .....#2026	.....#2226
Airway cut-off valve .....#2027	.....#2227
Carotid pulse bulb/tube .....#2028	.....#2028

NOTE: Each manikin is supplied with 10 each
Airway w/Lungs and Mouth/Nose Pieces

RETURN GOODS POLICY Should it be necessary to return an item for any reason, contact our Customer Service Department to obtain a RETURN AUTHORIZATION NUMBER. Merchandise cannot be accepted without prior return authorization. Please refer to your invoice number when phoning in your request for returning merchandise. If needed, a shipping carton and packing instructions will be sent to you to facilitate return of the item.

WARRANTY Simulaids warrants this product to be free from any defect in materials and/or workmanship for a period of three years from the date of purchase, as evidenced by the date of invoice when the product was shipped to the end user. This warranty expressly does not cover abuse, accidental or purposeful damage, or any form of modification to the product. Simulaids reserves the right to either repair or replace affected parts or the entire unit, at their sole discretion, after investigating and reviewing the actual product and the damage. In most instances, a digital photo of the product in question showing the damage will help qualify a product for return to the factory. At no time will any product be accepted at the plant without proper return authorization issued by Simulaids. Freight and Shipping charges are the sole responsibility of the end user. No product will be received with shipping charges due. Any product considered for warranty work must be identified by serial number and invoice number from the agency through whom the product was purchased. Without this information the product will not receive a return authorization number as required above.

LATEX FREE PRODUCT Adam CPR and AJ CPR are latex free products. All component parts and disposables are also latex free.

Should you have any questions or wish further information on any product we manufacture or distribute, call or write our Customer Service Department at:

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