

*Nasco*

***Life/form***®

**"Airway Larry" AIRWAY  
MANAGEMENT TRAINER  
LF03699U  
INSTRUCTION MANUAL**



***Life/form***® Products by NASCO

## About the Simulator...

The **Life/form®** Airway Management Trainer, “Airway Larry”, is the most realistic simulator available for the training of intubation and other airway management skills.

This particular trainer has been specially designed to build students’ confidence and expertise with an easy-to-use model, while still providing a realistic intubation experience.

NASCO has taken great care to create an airway management trainer that is anatomically correct in respect to both size and detail. Landmarks include: nostrils, teeth, tongue, oral and nasal pharynx, larynx, cricoid ring, epiglottis, arytenoid, false and true cords, trachea, esophagus, self-deflating lungs, and stomach.

NASCO’s “Airway Larry” allows you to practice oral, digital, and nasal intubation. E.T., E.O.A., PTL®, and Combitube® insertion can all be practiced as well (please see section titled “Using the Combitube®”). Suction techniques and proper cuff inflation can also be performed and evaluated.

In addition, this model also allows students to apply cricoid pressure during the intubation procedure (Sellick’s Maneuver). By locating the larynx and depressing the cricoid ring, the student may realistically lower the vocal cords farther into the field of view. This also effectively closes off the esophagus of the simulator.

The Airway Management Trainer head can be detached from the training stand and placed on **CPARLENE®** or Resusci®

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

Anne™\* brand manikins, creating a valuable mega-code component. With proper care, your **Life/form®** Airway Management Trainer will provide years of valuable service. Please review the instructions carefully for set-up, clean-up, and maintenance procedures.

## List of Components:

“Airway Larry” Airway Management Trainer

8 oz. Bottle of Lubricant

Left and Right Simulated Lungs

Simulated Stomach

## Set Up:

The Airway Management Trainer is ready to use upon delivery. Simply remove it from the carton and unwrap the packaging material. The lung and stomach bags are already in place and ready to use.

## Lubrication:

Before using the Airway Management Trainer, lubricate both the simulator and supplies being used with the NASCO lubricant provided (Figures 1 & 2).



Figure 1



Figure 2

*PLEASE NOTE: NASCO recommends the use of the provided lubricant or a similar vegetable-based lubricant for the "Airway Larry" Airway Management Trainer. The use of a silicone-based lubricant may cause damage to the simulator, thus voiding NASCO's warranty on the trainer.*

### **Using the Combitube®:**

Thoroughly read and follow the instructions that come with the Combitube®. The trainer will accept either a full-size or a small adult tube. As with a live patient, it may be necessary to back the tube out slightly if ventilation cannot be established.

*NOTE: Depending on tube placement, the large cuff may not accept the recommended 100 ml of air. If so, simply inflate the cuff to its maximum volume (when the plunger stops). While holding the plunger down, detach the syringe from the blue pilot balloon, and proceed.*

### **Removing the Head from the Stand:**

To remove the head from the stand, the lungs and stomach bag must first be removed. Do this by sliding each lung out from the connector fitting and removing the clamp that holds the stomach in place (Figure 3).



**Figure 3**

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

Next, turn the head slightly to the side to align the keyways with the slots, and pull the head from the stand (Figure 4).



**Figure 4**

To remount the head on the stand, simply reverse this procedure.

### **Attaching the Head to the Manikin:**

As explained earlier, NASCO's Airway Management Trainer has the ability to be attached to both **CPARLENE®** and any of the Resusci® Anne™\* brand manikins. To attach the Airway Management Trainer head to the above manikins, you must first remove the lung and stomach bags if they are attached to the trainer.

Next, turn the head face down and begin inserting it at the shoulders. Tip the head upward slightly until the two keyways on the back of the neck slide under the ring and into the top of the torso (Figure 5). Now match the single keyway on the neck front up to the slot on the backside of the torso, and push the head down until it snaps into place. Rotate the head back around so that it is facing up and in the correct position.



**Figure 5**

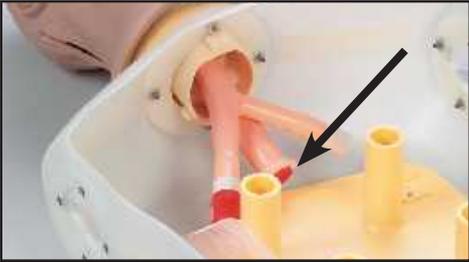
### Connecting the Airways:

Once the head is in place, connect the **CPARLENE**<sup>®</sup> lung bag to the right bronchus by sliding the cap plug over the white adapter in the bronchus (Figure 6).



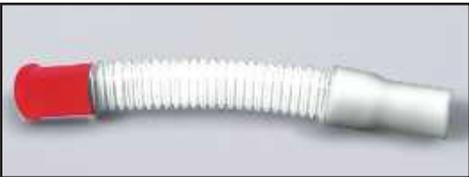
**Figure 6**

Then use the provided red cap plugs to plug the esophagus and the left bronchus (Figure 7). This will ensure the system is sealed and operational.



**Figure 7**

*NOTE: Our Airway Management Trainer will fit on all models of **CPARLENE**<sup>®</sup> and Resusci<sup>®</sup> Anne<sup>™</sup>\* manikins. To adapt the Airway Management Trainer head to the Resusci<sup>®</sup> Anne<sup>™</sup>\*, we have included an adapter piece (Figure 8).*



**Figure 8**

*Remove the Resusci<sup>®</sup> Anne<sup>™</sup>\* head and the connected section of corrugated tubing down to the valve. Install the Airway Management Trainer head and hook it up to the lung system with the adapter piece. Place the red cap end over the white fitting of the right bronchus and hook the other end to the lung bag valve nipple (where the previous corrugated tubing had been connected).*

To remove the head from the manikin, reverse the attachment procedure.

### Cleaning and Maintenance:

To clean the Airway Management Trainer you will first need to remove the head from the stand. Next, take the trainer to an area with a sink and open counter space. Using the 3 red caps supplied, plug off the esophagus and the bronchi (Figure 9).



**Figure 9**

Stabilize the head on the counter face-up (towels work well for this) with the plugged tubes hanging over the sink. Carefully pour warm soapy water (a mild dish soap works best) into the mouth until the water level reaches halfway up the tongue. Now tilt the head back and bring the neck up 3" off the countertop.



**Figure 10**

Continue filling until the water level covers the tongue. At this point, take a small soft brush and gently scrub the inside of the mouth (a small toothbrush works well for this). Cotton swabs can be used to scrub inside the nostrils. When done, pull the plug from the esophagus and drain the water into the sink. Now pick the head up to a vertical position and pull the plugs from the trachea to completely empty the system (Figure 10).

#### **Rinsing the Airway:**

To rinse the airway, follow the same procedure using clean, warm tap water. Repeat this process until all the soap has been flushed from the system.

#### **Disinfecting the Airway:**

To disinfect, repeat the standard cleaning procedure, but this time using a bleach solution, as specified by the Centers for Disease Control instead of soapy water. Fill the system with the solution until it reaches the corners of the mouth. Remember to start filling with the head flat, and finish with the neck slightly elevated to ensure that the solution completely fills all airway passages. Once completely filled with the bleach solution, allow the head to sit for at least 10 minutes. Drain as described earlier and repeat the rinsing process to flush out all of the bleach solution. Set the head aside and allow it to dry completely.

#### **Cleaning the Face:**

Normal soil can be removed from the face of the trainer with mild, soapy water. REN Cleaner (W09919U) will remove stubborn stains. Simply apply REN to the soiled area and wipe clean with a soft cloth or paper towel. NOTE: Do not use REN Cleaner around the mouth and nostrils, as the residue of the cleaner could be toxic.

#### **Caution:**

Never place the trainer on any kind of printed paper or plastic. These materials will transfer indelible stains. Ballpoint pens will also make indelible stains. Do not use cosmetics.

#### **Supplies/Replacement Parts for the “Airway Larry” Airway Management Trainer:**

- LF03605U Replacement Lung Kit
- LF03606U Replacement Stomach Kit
- LF03644U NASCO Pump Spray  
Lubricant
- W09919U REN Cleaner

## Other Available *Life/form* Simulators

- LF00698U** Adult Injectable Arm (White)  
**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  
**LF00997U** Adult Injectable Arm (Black)  
**LF00999U** Pediatric Injectable Head  
**LF01008U** Intradermal Injection Arm  
**LF01012U** Heart Catheterization (TPN)  
**LF01019U** Ear Examination  
**LF01020U** Supplementary Ear Set  
**LF01025U** Male Cath-Ed I  
**LF01026U** Female Cath-Ed II  
**LF01027U** Peritoneal Dialysis  
**LF01028U** Suture Practice Arm  
**LF01036U** Spinal Injection  
**LF01037U** Hemodialysis Arm  
**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** Intraosseous Infusion Simulator  
**LF01121U** Advanced IV Arm  
**LF01139U** Advanced IV Hand  
**LF01142U** Auscultation Trainer  
**LF01162U** Venatech IV Trainer  
**LF03000U** **CPARLENE®** Series  
**LF03601U** Adult Airway Management Trainer  
**LF03602U** Adult Airway Management on Manikin  
**LF03603U** Adult Airway Management Head Only  
**LF03609U** Child Airway Management Trainer  
**LF03610U** Child Airway Management Trainer Head Only  
**LF03611U** Child Defibrillation Chest Skin  
**LF03612U** Child IV Arm  
**LF03613U** Child Blood Pressure Arm  
**LF03614U** Child Intraosseous Infusion/Femoral Access Leg Only  
**LF03615U** Complete Child **CRiSis™** Update Kit  
**LF03616U** Child **CRiSis™** Manikin  
**LF03617U** Deluxe Child **CRiSis™** Manikin with Arrhythmia Tutor  
**LF03620U** PALS Update Kit  
**LF03621U** Infant Airway Management Trainer Head Only  
**LF03622U** Intraosseous Infusion Right Leg  
**LF03623U** Infant Airway Management Trainer  
**LF03626U** Child Femoral Access Injection Pad Replacement  
**LF03632U** Child Intraosseous Infusion/Femoral Access Leg on a Stand  
**LF03633U** Child Airway Management Trainer with Torso  
**LF03693U** **Basic Buddy** CPR Manikin  
**LF03699U** "Airway Larry" Airway Management Trainer  
**LF03720U** **Baby Buddy** Infant CPR Manikin  
**LF03953U** **CRiSis™** Manikin  
**LF03955U** Deluxe **CRiSis™** Manikin  
**LF03965U** Deluxe "Plus" **CRiSis™** Manikin  
**LF04001U** **GERi™** Nursing Manikin  
**LF04020U** **KERi™** Nursing Manikin  
**LF04021U** **KERi™** Basic Manikin  
**LF04022U** **KERi™** Advanced Manikin  
**LF04030U** **GERi™** Advanced Manikin  
**LF04040U** **GERi™** Basic Manikin  
**LF06001U** **CPR Prompt™** Adult/Child Manikin  
**LF06012U** **CPR Prompt™** Infant Manikin  
**LF06200U** **CPR Prompt™** Keychain Rescue Aid  
**LF06200U** **CPR Prompt™** Rescue and Practice Aid

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