

Nasco
Life/form®



**Advanced "Airway Larry"
TORSO MANIKIN
LF03686U
INSTRUCTION MANUAL**



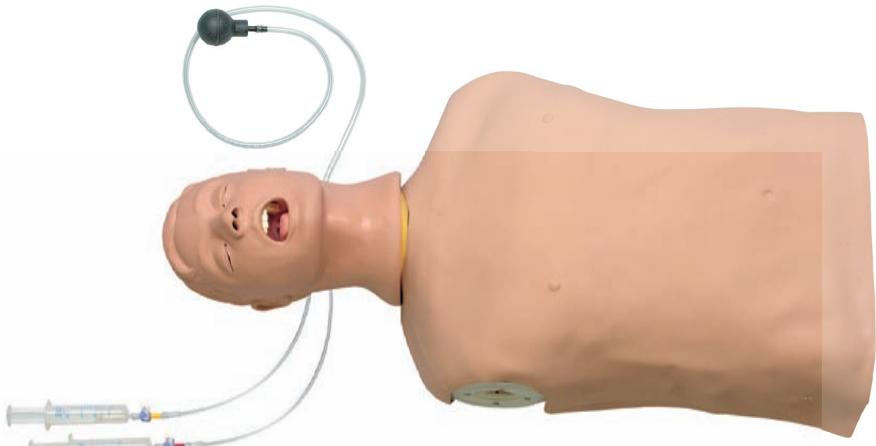
Life/form® Products by Nasco

Limited Warranty

Nasco warrants to the purchasers of **CRiSis™** products that they will be free from defects in material and workmanship for a period of three years from the date of purchase. Nasco will repair any defect reported within three years of the date of purchase at no charge. Products found to be defective may be returned to the authorized Nasco dealer from whom the item was purchased, or returned directly to Nasco. Nasco will be liable under this limited warranty only if **CRiSis™** products have been serviced properly as directed in the operating manual.

Nasco will not be responsible for damage caused by unauthorized repairs or modifications that have been made, or if the product has been damaged through misuse, accident, or abuse. This warranty does not cover wear and tear or expendables such as batteries, lubricant, and replacement lungs. There are no other expressed or implied warranties of merchantability, fitness of purpose, or otherwise on "Airway Larry" products, parts, and accessories.

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The Advanced "Airway Larry" Manikin is a Complete Resuscitation System consisting of modular components which allow you to create a manikin to suit your changing needs. The components may be purchased as a complete package or separately to update your existing manikin. Update packages are compatible with all versions of both **CPARLENE®** and non-modular Resusci® Anne™*.

This manual will guide you in setting up, using, and maintaining each of the available components. Each section also includes a list of replacement parts, supplies, and auxiliary equipment.

By reading and following all instructions carefully and completely, you can be sure your **Life/form®** Advanced "Airway Larry" Manikin will provide years of valuable service.

Cleaning:

Normal surface soil can be removed from the trainer with mild soapy water. Stubborn stains may be removed with REN Cleaner (W09919U). Simply apply the REN Cleaner to the soiled area and wipe clean with a soft cloth.

Note: Avoid using cleaner around the mouth area if students will be applying direct mouth-to-mouth resuscitation techniques, as the cleaner may be toxic if ingested. NEVER place the trainer on any kind of printed paper or plastic. These materials, as well as ballpoint pens, will transfer indelible stains. Do not use any cosmetics.

List of Components:

- Advanced "Airway Larry" Torso Manikin
- 8-oz. Pump Spray Lubricant
- 20 cc syringe (2)

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



Nasco *Life/form*® Airway Management Head

About the Simulator...

The *Life/form*® Advanced Airway Management Trainer Head is the most realistic simulator available for the training of intubation and other airway management skills. Now with the added features of laryngospasm and tongue swelling, this trainer will provide students with an easy-to-use model that will build their confidence and expertise while still providing a realistic intubation experience.

Nasco has taken great care to create an advanced 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, "Airway Larry" lung set, and stomach.

Nasco's Advanced Airway Management Trainer Head allows you to practice oral, digital, and nasal intubation. E.T., E.O.A., PTL®, LMA, and Combitube® insertion can all be practiced as well (please see "Using the Combitube®"). Suction techniques and proper cuff inflation can also be performed and evaluated. Squeeze bulb changes carotid pulse in manikins neck.

Lubrication:

Before using the Advanced Airway Management Trainer Torso, lubricate both the simulator and supplies being used with the Nasco lubricant provided. (See figures 1 & 2.)



Figure 1



Figure 2

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

Setup:

The Advanced Airway Management Trainer Torso is ready to use upon delivery. Simply remove it from the carton, and unwrap the packaging material.

Laryngospasm

Pull back the plunger of a 20 cc syringe and attach it to the red stopcock. (**See figure 3.**) Depress the plunger to force 1-5 cc of air into the system. Close the tubing port at the stopcock to maintain the pressure within the larynx. The syringe may be removed at this point.



Figure 3

Tongue Swelling

Pull back the plunger of a 20 cc syringe and attach it to the yellow stopcock. (**See figure 4.)** Depress the plunger to force approximately 10 cc of air into the system. Close the tubing port at the stopcock to maintain the pressure. The syringe may be removed at this point.

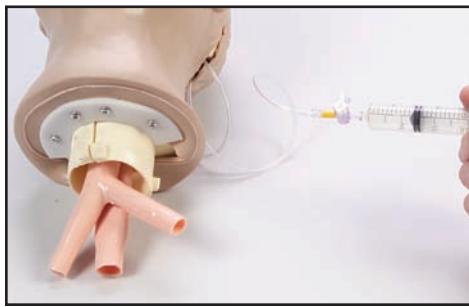


Figure 4

Caution: Do not overinflate! Excessive pressure may rupture the system. Stop inflation when resistance is felt or the larynx is observed to close. Always release the pressure when finished training by opening the tubing port at the stopcock.

Cleaning & Maintenance

To clean the Airway Management Trainer head you will need to remove the head from the manikin. To do this first remove the chest skin and then the chest plate exposing the lungs. (**See figure 5.)**



Figure 5

Feed the lungs through the hole in the upper compression plate and then lift off the plate. Disconnect the lungs from the bronchi by pulling the red caps from the white connectors. (**See figure 6.)**

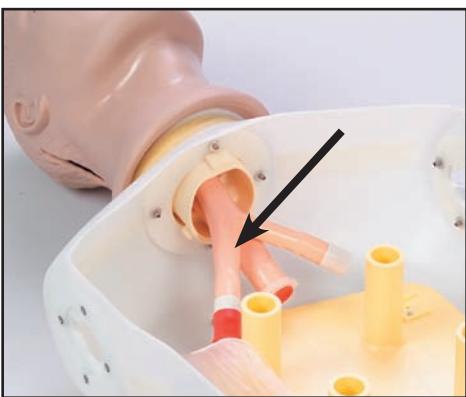


Figure 6

Now that the head has been disconnected from the airway rotate it 180° so that it is facing backwards. The large tab on the front of the neck should be aligned with the keyway in the torso. Tilt the head upward until it snaps free. (**See figure 7.)** Disengage the smaller rear tabs from the neck opening and pull the head from the body. Reverse the above steps to reattach the head.



Figure 7

Once the head is off the body, place a cap plug (supplied) on each end branch of the bronchi (the esophagus already has one in place). (**See figure 8.**)

You are now ready to begin the cleaning process. Take the trainer to an area with a sink and open counter space.



Figure 8

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. 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 into the sink. Now pick the head up to a vertical position and pull the plug from the trachea to completely empty the system. (**See figure 9.**)



Figure 9

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 use 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.

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 amount of air. In this case, simply inflate the cuff to its maximum volume (when the plunger stops), detach the syringe from the blue pilot balloon, and proceed.

Supplies/Replacement Parts for Airway Management Trainer Head:

LF03285U Replacement Lungs

LF03644U Nasco Pump Spray Lubricant

W09919U REN Cleaner

Other Available ***Life/form*** Simulators

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

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