

INSTRUCTION MANUAL

# Life/form® Advanced Child Airway Management Trainer with Stand

LF03762



*Nasco*  
HEALTHCARE

# About the Simulator

The Nasco Healthcare Life/form® Advanced Child Airway Management Trainers Present your students with the challenges they may face in the real world. Life/form® Advanced Child Airway Management Trainers offer tongue swelling and laryngospasm in addition to all the features on the standard models.

These Life/form® Advanced Airway Management Trainers are perfect for practicing skills on pediatric patients and represent the size of five-year-old patients. Practice intubation, ventilation, suction, and jaw thrust techniques. Realistic anatomy and landmarks include teeth, tongue, oral and nasal pharynx, larynx, epiglottis, arytenoids, false and true vocal cords, trachea, lungs, esophagus, and stomach.

The trainers allow you to practice oral, digital, and nasal intubation, as well as E.T., E.O.A., P.T.L., L.M.A., E.G.T.A., and Combitube® insertion. Inflatable stomach bladder indicates esophageal insufflation. With its slightly anterior position, swelling tongue, and vocal cords, each Life/form® Advanced Child Airway Management is great for introductory as well as advanced training. The simulator was designed to use an uncuffed endotracheal tube measuring up to 5.0 mm in diameter.

# List of Components

- Advanced Airway Management Trainer Head with Lungs and Stomach
- Mounting Board
- 8-oz. Pump Spray Lubricant
- 2 Syringes, 20 cc
- 3 Red Caps
- Storage Case

## Lubrication

Before using the Nasco Healthcare Life/form® Advanced Child Airway Management Trainer, lubricate both the tube and airway with the pump spray lubricant provided. (See figure 1)



*Figure 1*

**Please Note:** Nasco Healthcare recommends the use of the provided lubricant for the Advanced Child Airway Management Trainer. The use of a silicone-based or similar lubricant may cause damage to the simulator, thus voiding Nasco's warranty on the trainer.

# Instructions for Use

## Laryngospasm

Pull back the plunger of a 20 cc syringe and attach it to the red stopcock. (See Figure 2.)

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 then be removed without loss of pressure.

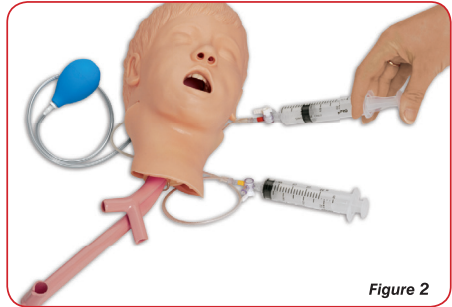


Figure 2

## Tongue Swelling

Pull back the plunger of a 20 cc syringe and attach it to the yellow stopcock. (See Figure 3.)

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 then be removed without loss of pressure.

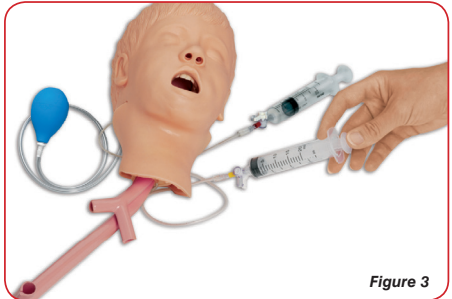


Figure 3

**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.

# Instructions for Use

## Palpable Carotid Pulse

Provided squeeze bulb can be used to manually simulate a bilateral carotid pulse.

## Removing the Advanced Child Airway Management Trainer Head from the Mounting Board

If you wish to remove the head from the board:

1. Remove the lungs and stomach from the trainer by loosening the clamps that hold them in place. The clamps are loosened by twisting each side of the clamp in opposite directions. (See Figure 4)
2. Now turn the head until the keys on the neck align with the slots in the mounting bracket and slide out. (See Figure 5.)
3. To replace the head on the mounting board, simply reverse the previous two steps.



Figure 4

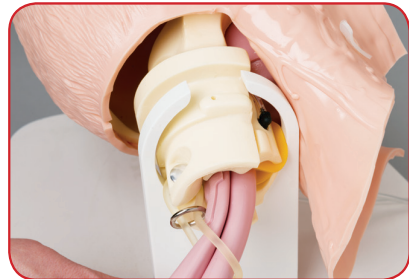


Figure 5

## Cleaning and Maintenance

1. Remove the head from the stand following instructions in previous section.
2. Using the supplied red caps, plug the esophagus and trachea openings.
3. Stabilize the head on the counter face-up (towels work well for this) with the tubes hanging over the sink.
4. Carefully pour warm soapy water (a mild dish soap works best) into the mouth until the water level reaches halfway up the tongue.

# Cleaning and Maintenance

5. Tilt the head back and bring the neck up off the countertop.
6. 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.
7. When done, drain the water into the sink by removing the supplied red caps.
8. Pick the head up and hold it in a vertical position to completely empty the system.
9. Rinse the airway following 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, this time using a bleach solution (instead of soapy water), as specified by the Centers for Disease Control.

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 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. Nasco Cleaner (LF09919) will remove stubborn stains. Simply apply Nasco Cleaner to the soiled area and wipe clean with a soft cloth or paper towel.

**Note:** If performing mouth-to-mouth ventilations, do not use Nasco 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. Ball-point pens will also make indelible stains. Do not use any cosmetics.

# Instructions for Use

## **Important – Storage of Your Simulator**

It is vital that the packing foam is retained for correct storage of your simulator. The unit must be stored as you received it to avoid damaging the simulator. Follow these steps when placing the simulator in the case for storage or transport.

1. Place the board in the case so that the wide end of the board is positioned under the two cleats inside the case.
2. Making sure the head is in the mounting bracket, turn the head 90° to its left so that it is facing the hinged side of the case.
3. Place the foam block into position over the neck, just below the chin, so that the round hole is up.
4. The case can now be closed. Your manikin will be protected from excessive movement within the case.

## Available Supplies

LF03644 Pump Spray Lubricant  
LF03627 Replacement Lungs

LF03628 Replacement Stomach  
LF09919 Nasco Cleaner  
C16790(A) Syringe, 20 cc

## Other Available Simulators

LF03601 Adult Airway Management  
Trainer with Stand  
LF03609 Child Airway Management  
Trainer with Stand  
LF03616 Child CRiSis™ Manikin  
LF03617 Deluxe Child CRiSis™  
Manikin with Arrhythmia  
Tutor  
LF03620 PALS Update Kit  
LF03623 Infant Airway Management  
Trainer with Stand  
LF03632 Child Intraosseous Infusion  
Femoral Access Leg on a  
Stand

LF03633 Child Airway  
Management  
Trainer Torso  
LF03699 “Airway Larry” Airway  
Management Trainer  
LF03709 Infant CRiSis™ Manikin



LF03623U



LF03602U



LF03617U

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