



# Advanced Skin & Vein Replacement

LF01122U (Light)

LF01123U (Dark)

LF01124U (Vein)

## INSTRUCTION MANUAL



**WARNING:** Products may contain dry natural rubber. Do not remove film from tubing.



### LIST OF COMPONENTS FOR LF01I22U

- 8 Tubing Adapters
- 4 Dry Natural Rubber Tubes (Veins)
- Shoestring
- 2-oz. Bottle of Lubricant
- Replacement Arm Skin (Light)

### LIST OF COMPONENTS FOR LF01I23U

- 8 Tubing Adapters
- 4 Dry Natural Rubber Tubes (Veins)
- Shoestring
- 2-oz. Bottle of Lubricant
- Replacement Arm Skin (Dark)

### LIST OF COMPONENTS FOR LF01I24U

- 8 Tubing Adapters
- 4 Dry Natural Rubber Tubes (Veins)
- 2-oz. Bottle of Lubricant

Your **Life/form**® replacement kit includes eight tubing adapters. If the manifold block in your IV arm has black tubing connectors, discard the eight tubing adapters and proceed with just the replacement tubing. If the manifold on your IV arm has two black and eight white tubing connectors, you will need to use the new adapters included in the kit. To connect the new adapters, simply slide the eight adapters over the connectors after the old veins have been removed. After you are finished connecting the new adapters, proceed with the vein replacement as described in the instruction manual.

**Note:** The new tubing adapters may be left connected to the connector block during future vein replacements. You do not need to replace these after they have been installed.

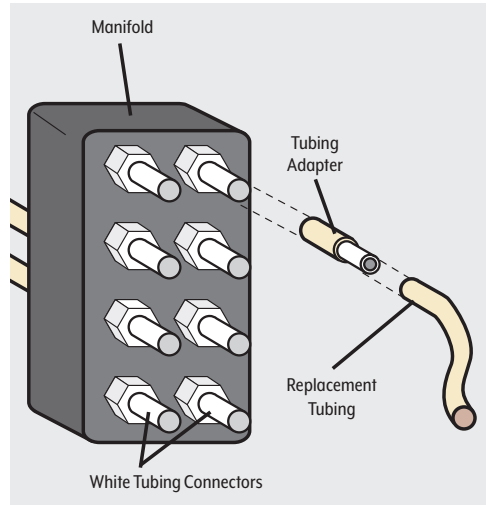




Figure 1



Figure 2

## REMOVING THE ARM SKIN AND VEINS

- A. To remove the skin from the arm core, open the shoestring at the top of the arm.
- B. Remove the inlet and outlet tubes from the arm skin.
- C. Coat the exterior skin lightly with the lubricant and strip off the skin so that it will be inside out when you finish. (See figure 1.)
 

**Note:** If you are replacing the skin and the veins, simply cut the skin free from the arm core using scissors and discard. If replacing only the veins, pull the skin down only far enough to expose the veins without removing the skin completely from the fingers. This will make it easier to pull the skin back on when finished.
- D. Remove the foam shoulder injection pad. (See figure 2.)
- E. Remove the bicep muscle located over the manifold.
- F. Remove the old “veins” from the grooves, unplug them from the manifold, and discard them.
- G. If needed, clean the arm core with soap and water.

## REPLACING THE VEIN TUBING

- A. Figure 3 shows how the four vein tubing sections should be connected to the connector block. The tube fittings are not shown.

**Note:** All diagrams have been color coded for illustration purposes only. The latex veins you received with your kit are all the same color and length and may be used interchangeably.

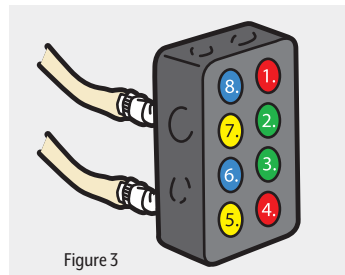


Figure 3

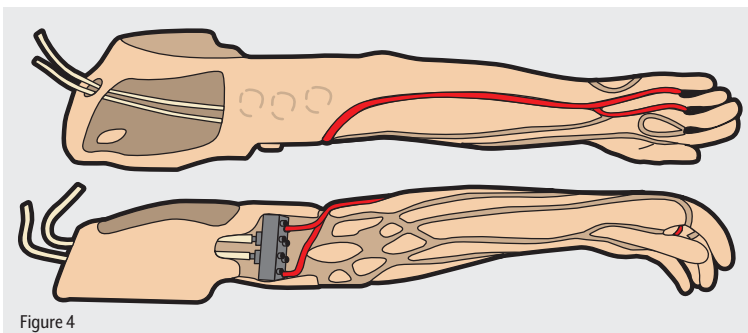


Figure 4

- B. Plug one end of tubing into fitting #1. (See figure 4 – Red.)

**Note:** A small amount of lubricant or water will make it easier to slide the tubing over the connector. Also, the plastic wrap around the tubing may need to be pulled back from the end of the tubing ½". Work the tubing completely into the channel over the back of the arm, around the third finger from the inside, and back over the arm in the same channel. Connect the end of the tubing into fitting #4. Veins may be trimmed with scissors if necessary for a good fit; just make sure that the connector block is back in its correct location within the core and that the tubing is not kinked, pinched, or too tightly stretched. Slight pinching in the finger area is normal and will not obstruct blood flow.

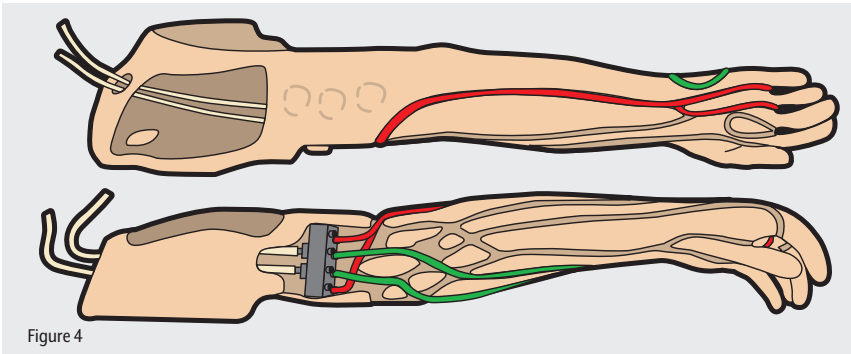


Figure 4

- C. Refer to Figure 4 (**Green**). Plug one end of the tubing into fitting #2. Press the tubing into the channel, around the loop near the wrist, and back to the connector block at fitting #3.

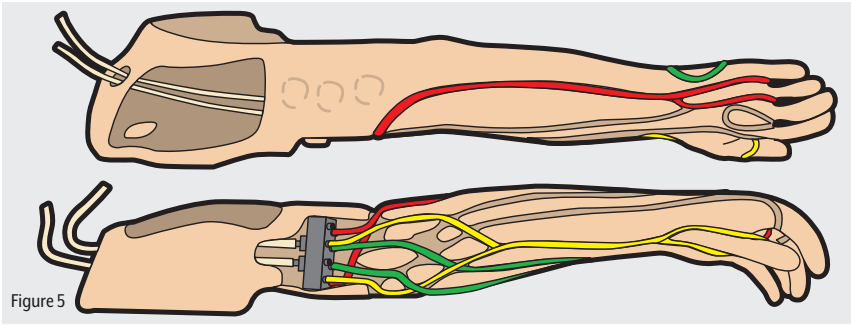


Figure 5

- D. Refer to Figure 5 (**Yellow**). Plug one end of the tubing into fitting #7. Work it into the channel down the forearm, around the palm side of the thumb, and back toward the connector block in the same channel. Pass the tubing over the first section of “green” tubing and under the second section (refer to diagram above). Connect the tubing to fitting #5.

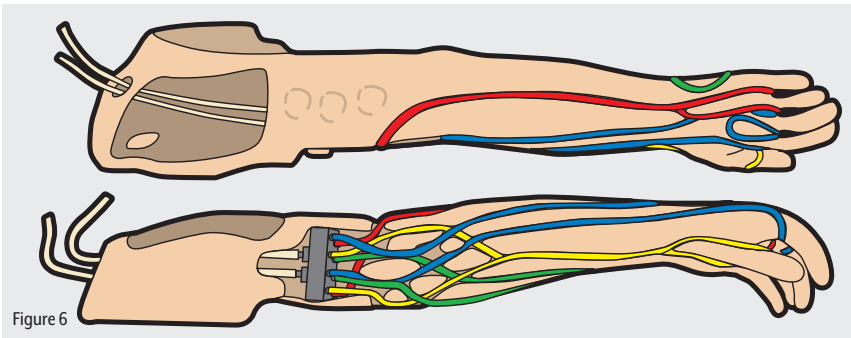


Figure 6

- E. Refer to Figure 6 (**Blue**). Plug one end of the tubing into fitting #6. Tuck it under the “green” tubing, then continue to press it into the channel, taking extra care to minimize pinching in the loops around the two fingers and the back of the hand. Run the tubing under the “red” tubing and over both lengths of “yellow” tubing before connecting to fitting #8.
- F. Double check that all the tubing is in the correct channel and free of kinks or other obstructions. Check that all fitting connections are as tight as possible to prevent leaks.

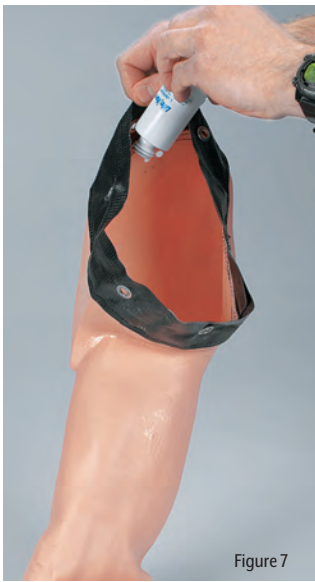


Figure 7



Figure 8



Figure 9

## REASSEMBLING THE ARM

- A.** Feed the inlet/outlet tube through the large channel and out the hole in the upper arm. Replace the muscle pad over it.
- B.** Pour the remaining lubricant into the skin, allowing lubricant to run down the sides (*See figure 7.*) Squeeze the skin between extended hands. Work your hands back and forth, up and down the skin to coat the inside of the skin thoroughly.
- C.** Grasping the skin with both hands, slide the skin down over the core until the fingers are approaching the finger holes (*See figure 8.*) (Caution: work the skin on gently — pulling hard on the end of the skin can stretch or tear the material.) As the skin is worked down over the core, be sure that the tubing remains in the channels.
- D.** Guide the fingers and thumb carefully into the proper holes. Mistakes can be corrected by sliding the skin back an inch or two from the fingers and beginning again. If air has been trapped in the fingertips, make a small vent hole beneath the fingernail with a 22-gauge needle.
- E.** After the fingers are positioned in the hand, slide the skin over the remainder of the core to provide a snug fit. (*See figure 9.*)



Figure 10

- F.** Feel along the tubing channel to make sure that the tubing is correctly seated. Tubing that has moved can usually be moved back into position by working on the outside of the skin. (*See figure 10.*)

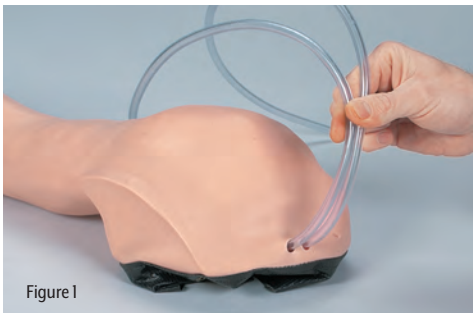


Figure 1

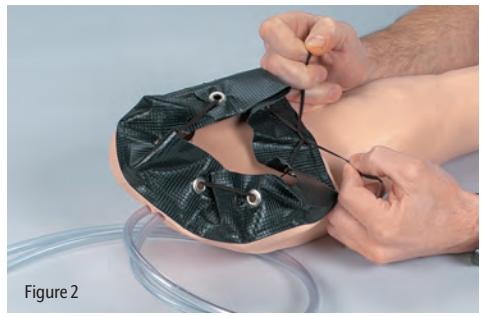


Figure 2

**G.** Feed the inlet/outlet tubing through the skin to the outside.

**H.** Adjust the skin over the upper shoulder and retie the lace to hold it in position. Rinse the lubricant from the skin with warm water.

If the skin stretches slightly during use, it can be tightened by retying the lace.

### SUPPLIES AND REPLACEMENT PARTS

- LF00845U** *Life/form*® Blood, 1 quart
- LF00846U** *Life/form*® Blood, 1 gallon
- LF00991U** Shoulder Injection Pad Replacement
- LF00993U** Replacement Vein Manifold
- LF00985U** Lubricant, pack of 6, 2-oz. bottles
- LF00996U** Vyna-Bond Adhesive
- LF01022U** Fluid Supply Stand
- LF01099U** Vein Tubing Sealant
- LF01104U** *Life/form*® IV Arm Skin & Vein Replacement DVD — FREE
- LF01105U** *Life/form*® IV Arm Set-Up & Troubleshooting DVD — FREE
- LF01122U** Light Skin & Vein Replacement Kit
- LF01123U** Dark Skin & Vein Replacement Kit
- LF01124U** Vein Replacement Kit
- LF01130U** Fluid Supply Bag
- LF09919U** Nasco Cleaner

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

## Other Available *Life/form* Simulators

**LF00698U** Adult Injectable Arm (Light)  
**LF00958U** Pediatric Injectable Arm  
**LF00961U** Intramuscular Injection  
**LF00995U** Arterial Puncture Arm  
**LF00999U** Pediatric Injectable Head  
**LF01005U** First Aid Arm  
**LF01007U** Adult IV Foot  
**LF01008U** Intradermal Injection Arm  
**LF01012U** Heart Catheterization (TPN)  
**LF01036U** Spinal Injection  
**LF01037U** Hemodialysis Practice Arm  
**LF01087U** Central Venous Cannulation  
**LF01108U** Infant Intraosseous Infusion  
**LF01121U** Advanced IV Arm  
**LF01131U** Venipuncture and Injection Arm  
**LF01139U** Advanced IV Hand  
**LF01162U** Venatech IV Trainer  
**LF01184U** Venatech IM & Sub Q

**LF03616U** Complete Child *CRiSis*™ Manikin  
**LF03617U** Deluxe Child *CRiSis*™ Manikin with Arrhythmia Tutor  
**LF03620U** PALS Update Kit  
**LF03632U** Child Intraosseous Infusion/Femoral Access Leg on a Stand  
**LF03636U** Infant IV Leg  
**LF03637U** Infant IV Arm  
**LF03709U** Infant *CRiSis*™ Manikin  
**LF03770U** Chest Tube  
**LF03953U** *CRiSis*™ Manikin, Complete  
**LF03955U** Deluxe *CRiSis*™ Manikin  
**LF03956U** Deluxe "Plus" *CRiSis*™ Manikin  
**LF03965U** Adult *CRiSis*™ Auscultation Manikin  
**LF03966U** Adult *CRiSis*™ Auscultation Manikin with ECG Simulator  
**LF04000U** *GERi*™/*KERi*™ Manikin Series



LF00958U



LF03637U



LF01007U



LF01139U



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