

# INSTRUCTION MANUAL

## Skin and Vein Replacement

LF01274 Light, LF01275 Medium  
LF01277 Veins



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

*Nasco*  
HEALTHCARE



# List of Components

## LIST OF COMPONENTS FOR LF01274

- 2-oz. bottle of Baby powder
- 2-oz bottle of lubricant
- Replacement Skin, Light

## LIST OF COMPONENTS FOR LF01275

- 2-oz. bottle of Baby powder
- 2-oz bottle of lubricant
- Replacement Skin, Medium

## LIST OF COMPONENTS FOR LF01277

- 2-oz. bottle of Baby powder
- 2-oz bottle of lubricant
- Replacement Skin, Medium
- 8 Tubing Adapters
- 4 Dry Natural Rubber Tubes (Veins)



# Removing the Arm Skin & Veins



- A. To remove the skin from the arm core, bend the skin flap around top of arm.
- B. Remove the inlet and outlet tubes from the arm skin.  
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.
- C. Remove the foam shoulder injection pad. (See figure 2.)
- D. Remove the bicep muscle located over the manifold.
- E. Remove the old “veins” from the grooves, unplug them from the manifold, and discard them.
- F. 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 different configuration and length. Two are uniform diameter tubing and length. Two are multi-diameter tubing and different lengths.

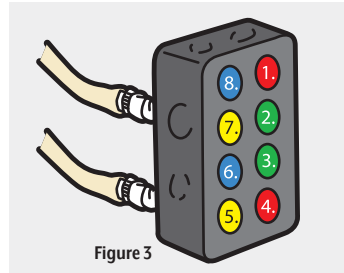


Figure 3

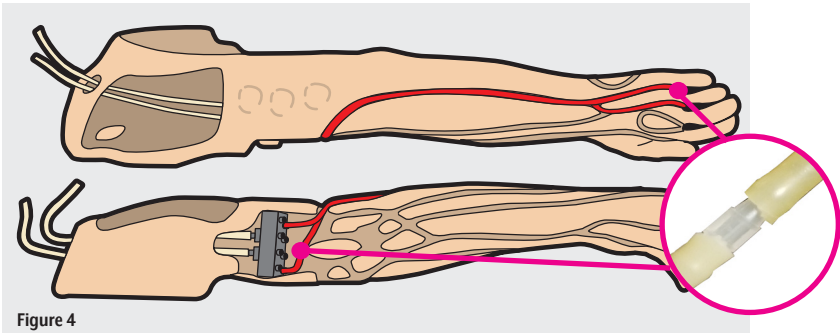


Figure 4

**B.** Start with the longer length of multi-diameter tubing. Plug the end of the short section 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. 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. The couplers should be approximately in the positions shown on the diagram. Veins may be trimmed with scissors 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.

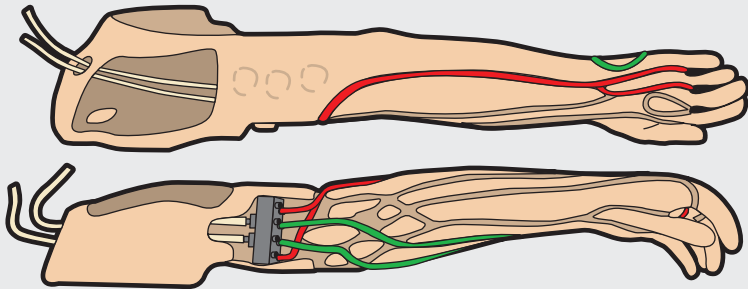


Figure 5

- C. Refer to Figure 5 (Green). Plug one end of a uniform diameter tubing piece into fitting #2. Press the tubing into the channel, around the loop near the wrist, and back to the connector block at fitting #3, trimming excess.

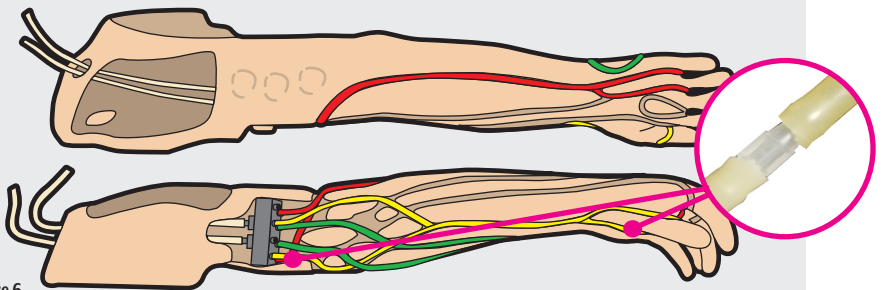


Figure 6

- D. Refer to Figure 6 (Yellow). Using the shorter piece of multi-diameter tubing, plug the long 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). The couplers should be approximately in the positions shown in the diagram. Connect the tubing to fitting #5, trimming excess.

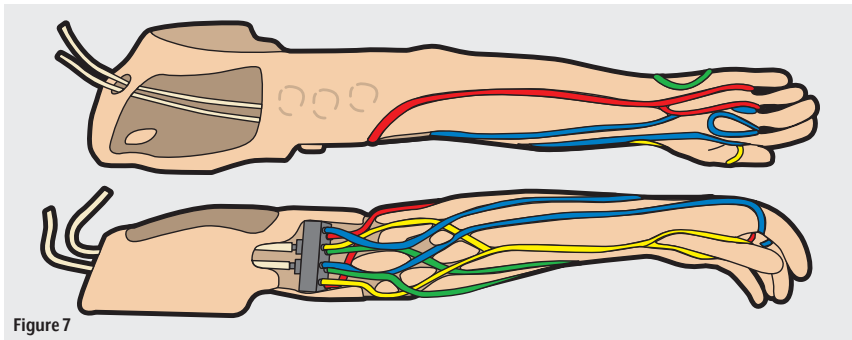
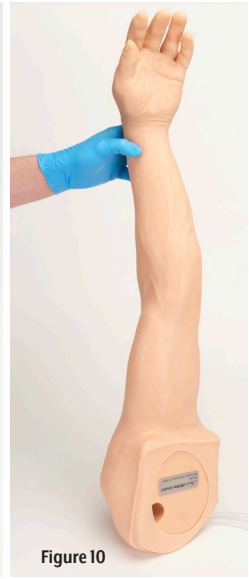
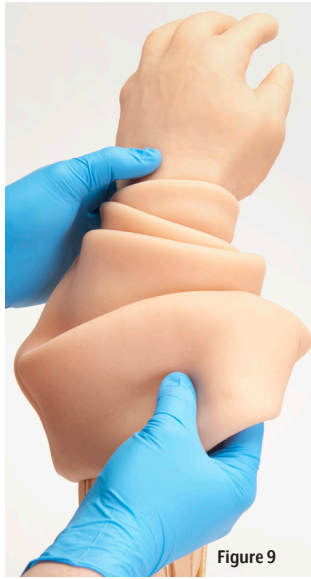


Figure 7

- E. Refer to Figure 7 (Blue). Plug one end of a uniform diameter tubing piece 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 , trimming excess.
- 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.

# 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. Shake baby powder into the inside of the arm (see Figure 8). Pinch the end of the arm skin closed and shake the arm to distribute the powder inside the skin.
- C. Position the skin shoulder opening below the fingers and simultaneously pull and roll the skin up to bring the skin finger section to the core fingers (see Figure 9). Caution - work the skin on gently.

NOTE: Plastic wrap is occasionally used during the manufacturing process to keep the veins in place. Plastic wrap can be used prior to sliding the skin into place to assist in keeping the veins in place during this process.

- 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.
- E. After the fingers are positioned in the hand, unroll and slide the skin over the core to provide a snug fit. (See figure 10.)



Figure 11

- 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 11.)



Figure 12



Figure 13

- G. Feed the inlet/outlet tubing through the skin to the outside.
- H. Adjust the end flap over the top of the arm.

# Supplies & Replacement Parts

<b>LF00845</b>	Blood, 1 quart
<b>LF00846</b>	Blood, 1 gallon
<b>LF00991</b>	Shoulder Injection Pad Replacement
<b>LF00993</b>	Replacement Vein Manifold
<b>LF00985</b>	Lubricant, pack of 6, 2-oz. bottles
<b>LF01279</b>	Skin Sealant
<b>LF01022</b>	Fluid Supply Stand
<b>LF01099</b>	Vein Tubing Sealant*
<b>LF01104</b>	IV Arm Skin & Vein Replacement DVD – FREE
<b>LF01105</b>	IV Arm Set-Up & Troubleshooting DVD – FREE
<b>LF01274</b>	Light Skin Replacement Kit
<b>LF01275</b>	Medium Skin Replacement Kit
<b>LF01277</b>	Vein Replacement Kit
<b>LF01130</b>	Fluid Supply Bag

\* Not available outside the United States.

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

# Other Available Simulators

- LF00698** Adult Injectable Arm (Light)
- LF00958** Pediatric Injectable Arm
- LF00961** Intramuscular Injection
- LF00995** Arterial Puncture Arm
- LF00999** Pediatric Injectable Head
- LF01005** First Aid Arm
- LF01007** Adult IV Foot
- LF01008** Intradermal Injection Arm
- LF01012** Heart Catheterization (TPN)
- LF01036** Spinal Injection
- LF01037** Hemodialysis Practice Arm
- LF01087** Central Venous Cannulation
- LF01108** Infant Intraosseous Infusion
- LF01121** Advanced IV Arm
- LF01131** Venipuncture and Injection Arm
  
- LF01139** Advanced IV Hand
- LF01162** Venatech IV Trainer
- LF01184** Venatech IM & Sub Q
- LF03616** Complete Child **CRiSis™** Manikin

- LF03617** Deluxe Child **CRiSis™** Manikin with Arrhythmia Tutor
- LF03620** PALS Update Kit
- LF03632** Child Intraosseous Infusion/ Femoral Access Leg on a Stand
- LF03636** Infant IV Leg
- LF03637** Infant IV Arm
- LF03709** Infant **CRiSis™** Manikin
- LF03770** Chest Tube
- LF03953** **CRiSis™** Manikin, Complete
- LF03955** Deluxe **CRiSis™** Manikin
- LF03956** Deluxe "Plus" **CRiSis™** Manikin
- LF03965** Adult **CRiSis™** Auscultation Manikin
- LF03966** Adult **CRiSis™** Auscultation Manikin with ECG Simulator
- LF04000** **GERi™/KERi™** Manikin Series



LF00958U



LF03637U



LF01139U



LF01007U



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