<table>
<thead>
<tr>
<th>REV</th>
<th>DESCRIPTION OF CHANGE</th>
<th>CHANGE REFERENCE</th>
<th>ORIGINATOR</th>
<th>VERIFIED</th>
<th>APPROVED</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Release</td>
<td>A</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

THE INFORMATION CONTAINED HEREIN IS PROPRIETARY TO LAERDAL AND SHALL NOT BE USED FOR ANY PURPOSE DETRIMENTAL TO OR BE REPRODUCED WITHOUT PERMISSION OF LAERDAL.

<table>
<thead>
<tr>
<th>REFERENCE</th>
<th>REPLACED</th>
<th>REV</th>
<th>TITLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>DFU First Aid Training Manikin</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRODUCT GROUP</th>
<th>TOOL</th>
<th>PART NO</th>
<th>REV</th>
<th>DOCUMENT NO</th>
<th>PAGE</th>
<th>ATTACH</th>
<th>REV</th>
</tr>
</thead>
<tbody>
<tr>
<td>EX-KELLY</td>
<td>N/A</td>
<td>1001608</td>
<td>A</td>
<td>PRO-ML03-0025</td>
<td>1</td>
<td>1</td>
<td>A</td>
</tr>
</tbody>
</table>
First Aid Training
Manikin

Directions for Use
# Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laerdal Recommends</td>
<td>3</td>
</tr>
<tr>
<td>Items Included</td>
<td>4</td>
</tr>
<tr>
<td>Skills Taught</td>
<td>4</td>
</tr>
<tr>
<td>Airway System</td>
<td>5</td>
</tr>
<tr>
<td>Attaching Arms</td>
<td>5</td>
</tr>
<tr>
<td>Attaching Legs</td>
<td>6</td>
</tr>
<tr>
<td>Sucking Chest Wound</td>
<td>6</td>
</tr>
<tr>
<td>Care and Maintenance</td>
<td>7</td>
</tr>
<tr>
<td>AHA and ARC Guidelines on Cleaning</td>
<td>7</td>
</tr>
<tr>
<td>Warranty</td>
<td>8</td>
</tr>
<tr>
<td>Replacement Parts</td>
<td>10</td>
</tr>
</tbody>
</table>
The First Aid Training Manikin is a full-body, lifelike manikin, which realistically simulates a male trauma patient. It is specifically designed for training professionals in CPR and trauma.

The manufacturing quality of this simulator should provide many sessions of training when reasonable care and maintenance are practiced.

Laerdal Recommends:
Follow AHA and ARC guidelines on the cleaning of all CPR manikins

Instructor Notes:
**Items Included:**

(1) First Aid Training Manikin  
(4) Projectile wounds – 2 entry and 2 exit  
(1) Compound fracture radius  
(1) Left burn arm  
(1) Abdominal thrust with exposed viscera  
(1) Impaled object left thigh  
(1) Compound fracture right femur  
(1) Closed fracture tibia and fibula  
(1) Sucking chest wound chest skin  
(1) Head wound for bandaging  
(3) Mouthpieces  
(1) Package of 100 airways  
(1) Jacket  
(1) Pants  
(1) Carrying Case  
(1) Blood Concentrate – 4 oz.  
(1) Bulb Assembly

**Skills Taught:**

- CPR training  
- Wound identification and treatment of:  
  - Compound fracture  
  - Burns and lacerations  
  - Projectile - entry & exit wounds  
  - Large and small caliber wounds  
  - Exposed viscera  
  - Impaled object  
  - Closed fractures  
  - Sucking chest wound  
  - Head wound
Preparing Manikin for Use:

**Airway System:**
1. Unfasten chest skin at shoulders and pull back to expose chest cavity. (Fig. 1)
2. Attach airway bag to mouthpiece. (Fig. 2)
3. Fold airway bag, being careful not to twist neck of bag. (Fig. 3)
4. Insert airway bag through face and under neckpiece of manikin, being careful not to twist or knot airway.
5. Lift flesh colored ventilation flap
6. Spread airway over metal compression plate. (Fig. 4)
7. Return flesh colored ventilation cover to original position.
8. Insert mouthpiece into face of manikin.
9. Reattach chest skin at shoulders.

To remove, reverse procedure.

**Protection from cross-contamination:**
- Reusable mouthpieces may be sanitized to current regulations
- Airways are disposable
- Return of air is your own
- Virtually eliminates clean-up

**Attaching Arms:**
1. Unfasten chest skin at shoulders and pull back to expose flesh colored ventilation flap.
2. Lift flap.

Laerdal Recommends

Hardware is located in envelope inside box.
3. Remove two screws to release metal compression plate.
4. Locate hole in shoulder.
5. Remove deltoid injection pad from arm.
6. Unscrew wing nut from the 4 ½” bolt and remove wing nut, two larger washers and spring.
7. Insert bolt through hole in arm and shoulder.
8. Slide one washer, spring and second washer back over bolt.
9. Use a screwdriver to drive bolt into wing nut.

To remove, reverse procedure.

Metal Compression Plate

Fig. 5

Attaching Legs:
1. Remove abdominal thrust module and belly plate from manikin to locate hole in hip.
2. Remove thigh injection pad from leg.
3. Remove wing nut and larger washer from 6 ½” bolt.
4. Insert bolt through hole in thigh and pelvis.
5. Slide washer and wing nut back over bolt.
6. Use a screwdriver to drive bolt into wing nut. (Fig. 6)

To remove, reverse procedure.

Sucking Chest Wound:
1. Remove bulb from bulb assembly.
2. Fill ½ full with liquid soap.
3. Add 2 to 3 drops blood concentrate.
4. Reattach to tubing in chest.
5. Squeeze bulb several times to get flowing.
Care and Maintenance:
1. Clean with mild soap and water; do not submerse manikin or parts in cleaning fluids or water.
2. Use only on clean surface. Avoid felt tipped markers, ink pens, acetone, iodine or other staining products and avoid placing the manikin on newsprint or inked lines of any kind.
3. To ensure longevity, each manikin should be cleaned after each training session and a general inspection should be conducted regularly.
4. Modules and all other parts should be drained and air-dried thoroughly before storage and disinfected when needed. After use of injection pads (use water only), accumulated water should be squeezed out. **Do not store wet foam pads in the skin.** To prevent mildew or mold, pads can be soaked in a mild solution of disinfectant and water or bleach and water. Squeeze excess solution from pads, allow them to dry, then store or reinsert in manikin.
5. Articulating parts will benefit from a light application of talcum powder prior to training sessions.
6. Store properly between teaching sessions.

Follow AHA and ARC guidelines on the cleaning of all CPR manikins as follows:

a. Thoroughly wash all external and internal surfaces (also reusable mouthpieces) with warm, soapy water.

b. Rinse all surfaces with clean, fresh water.

c. Wet all surfaces with a sodium hydrochloride solution having at least 500 ppm free available chlorine (e.g., ¼ cup or 60ml of liquid household bleach to approximately 4 liters of tap water for 10 minutes). This solution must be made fresh at each class and discarded after each use.

d. Rinse with fresh water and immediately dry all external surfaces. Rinsing with alcohol will aid in drying internal surfaces. This drying will prevent the survival and growth of bacterial fungal pathogens.

e. Each time a different student uses the manikin in a training class, the individual mouthpiece and airway should be changed.

f. People responsible for the use and maintenance of CPR manikins should be encouraged not to rely totally on the mere presence of a disinfectant to
protect them and their students from cross infection during training programs. Emphasis should be placed on the necessity of thorough physical cleaning (scrubbing and wiping) as the first step in an effective decontamination protocol. Microbial contamination is easily removed from smooth, nonporous surfaces by using disposable cleaning cloths moistened with a detergent solution. There is no evidence that a soaking procedure alone in any liquid is as effective as the same procedure accompanied by vigorous scrubbing.

Warranty
Laerdal Medical warrants to the purchaser that its products are free from defects in material and workmanship for a period of one (1) year from the date of purchase by the original user. During the designated one (1) year period, Laerdal Medical will, upon receipt of a product found to be defective due to materials or workmanship from the purchaser and notification in writing of the defect, at its option repair or replace any parts found to be defective or the entire product. Warranty period does not renew with replacement or repair of original product.

Products found to be defective and notification of defects may also be sent to the authorized Laerdal Medical dealer from whom the product was purchased. All postage, shipping or handling charges shall be the sole responsibility of the purchaser.

Laerdal Medical is responsible for the effects of safety, reliability and performance of its product(s) only if:

- service, repair, readjustment or modification is carried out by Laerdal Medical or persons authorized by Laerdal Medical.
- the electrical installation of the room where the product is used complies with pertinent equipment requirements.
- the product is used in the proper manner in strict compliance with its Directions for Use.

Laerdal Medical shall not be liable under this warranty for incidental or consequential damages, or in the event any unauthorized repairs or modifications have been made or attempted, or when the product, or any part thereof, has been damaged by accident, misuse or abuse. This warranty
does not cover batteries, fuses, normal wear and tear, excessive use, staining, discoloration or other cosmetic irregularity which does not impede or degrade product performance.

Some states in the USA do not allow the exclusion or limitation of incidental or consequential damages, so those limitations or exclusions may not apply to you.

There are no other express or implied warranties, whether of merchantability, fitness or purpose, or otherwise, on the product, its parts and accessories.

⚠️ **Cautions and Warnings**

This product contains **Natural Rubber** latex which may cause allergic reactions when in contact with humans.
## Replacement Parts:

<table>
<thead>
<tr>
<th>Number</th>
<th>Product</th>
</tr>
</thead>
<tbody>
<tr>
<td>380470</td>
<td>BELLYPLATE Assembly</td>
</tr>
<tr>
<td>380475</td>
<td>PIN, PELVIS</td>
</tr>
<tr>
<td>381401</td>
<td>Arm, AM-Upper Rt</td>
</tr>
<tr>
<td>381503</td>
<td>PAD, DELTOID GUNSHOT LARGE CALIBER ADULT</td>
</tr>
<tr>
<td>381504</td>
<td>PAD, DELTOID GUNSHOT SMALL CALIBER ADULT</td>
</tr>
<tr>
<td>381505</td>
<td>PAD, VENTROGLUTEAL GUNSHOT SMALL CALIBER ADULT</td>
</tr>
<tr>
<td>381506</td>
<td>PAD, GLUTEAL GUNSHOT LARGE CALIBER ADULT</td>
</tr>
<tr>
<td>381507</td>
<td>PAD, THIGH IMPALED ADULT</td>
</tr>
<tr>
<td>381508</td>
<td>PAD, THIGH OPEN FRACTURE ADULT</td>
</tr>
<tr>
<td>381509</td>
<td>LEG ASSY, LOWER LEFT CONTUSED FOOT/ANKLE ADULT</td>
</tr>
<tr>
<td>381510</td>
<td>LEG ASSY, LOWER RIGHT W/FRACTURE ADULT</td>
</tr>
<tr>
<td>276-00450</td>
<td>FOREARM, LEFT W/BURNT HAND ADULT MALE</td>
</tr>
<tr>
<td>276-00650</td>
<td>PAD, FOREARM-OPEN FRACTURE RIGHT</td>
</tr>
<tr>
<td>100-00150</td>
<td>MOUTHPIECES SET, ADLT-CPR BSC HD-(6)</td>
</tr>
<tr>
<td>100-00450</td>
<td>SET, AIRWAY-ADLT BSC CPR (100)</td>
</tr>
<tr>
<td>100-00550</td>
<td>BULB ASSY, PULSE-W/TUBING/FITTING</td>
</tr>
<tr>
<td>100-10150</td>
<td>PELVIS, AM-CONV</td>
</tr>
<tr>
<td>100-10250</td>
<td>HEAD, AM-CPR BSC PNTD W/WND</td>
</tr>
<tr>
<td>100-10350</td>
<td>SKIN ASSY, CHEST ADLT CPR W/SUCK WND-STD</td>
</tr>
<tr>
<td>100-10450</td>
<td>THRUST ASSY, AM ABD-EXP VISC-PNTD-STD</td>
</tr>
<tr>
<td>200-00350</td>
<td>CASE, CARRYING-FB MNKN-LOGO</td>
</tr>
<tr>
<td>200-02150</td>
<td>JACKET, ADULT-BLUE</td>
</tr>
<tr>
<td>200-02250</td>
<td>PANTS, ADULT-BLUE</td>
</tr>
<tr>
<td>276-00350</td>
<td>FOREARM ASSY, RIGHT W/LACERATED DORSUM HAND</td>
</tr>
</tbody>
</table>
276-00650  PAD, FOREARM-OPEN FRACTURE
            RIGHT
300-00750  BLOOD, CONCENTRATE-4 OZ
            RED
300-02350  F/ARM, AM-RT
300-02550  HAND, AM-RT
300-02650  ARM, AM-UPPER LFT
300-02950  THIGH, ADLT-RT
300-03150  FOOT, ADLT-RT
300-03250  THIGH, ADLT-LFT
300-04250  HARDWARE SET, ADLT MNKN
            LEGS/ARMS TO BODY

Please contact Customer Service Representatives for more
information on Replacement Parts in other skin tones.