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REFERENCE	N/A	REPLACES	N/A	REV	N/A		
		TITLE	DFU First Aid Training Manikin				
PRODUCT GROUP	TOOL	PART NO	REV	DOCUMENT NO	PAGE	ATTACH	REV
EX-KELLY	N/A	1001608	A	PRO-ML03-0025	1 of 1	1	A

First Aid Training Manikin

Directions for Use



Laerdal[™]
helping save lives

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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.

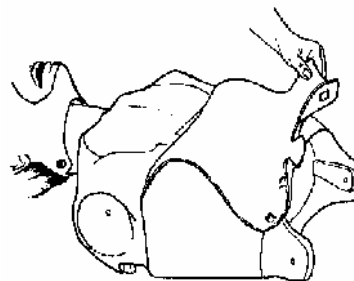


Fig. 1

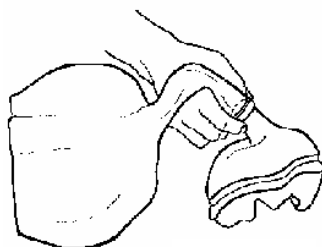


Fig. 2

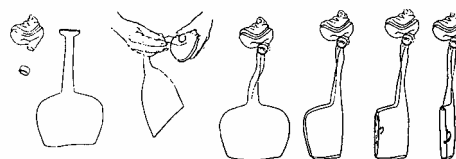


Fig. 3

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.

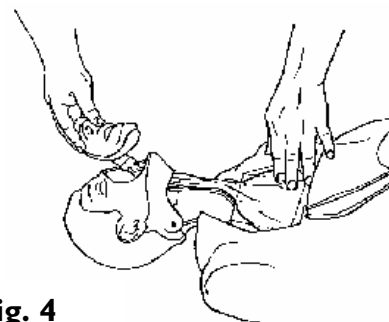


Fig. 4

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:

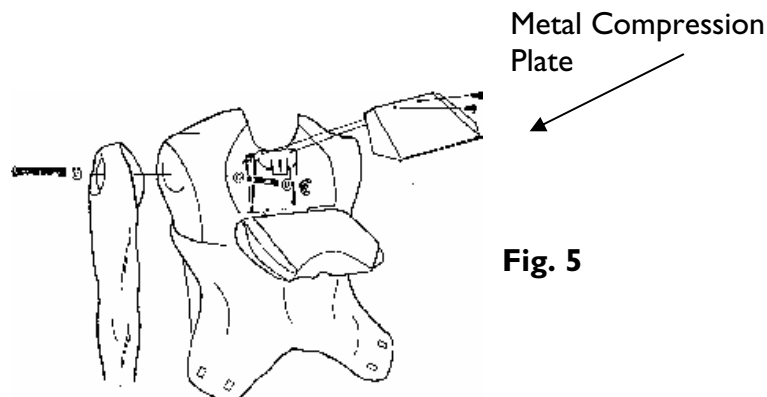
1. Unfasten chest skin at shoulders and pull back to expose flesh colored ventilation flap.
2. Lift flap.

Laerdal Recommends

Hardware is located in envelope inside box.

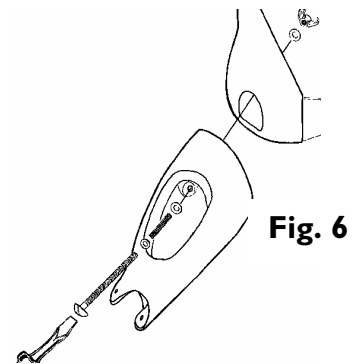
3. Remove two screws to release metal compression plate.
4. Locate hole in shoulder.
5. Remove deltoid injection pad from arm.
6. Unscrew wing nut from the 4 ½" bolt and remove wing nut, two larger washers and spring.
7. Insert bolt through hole in arm and shoulder.
8. Slide one washer, spring and second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

To remove, reverse procedure.



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 submerge 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., $\frac{1}{4}$ 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:

Number	Product
380470	BELLYPLATE Assembly
380475	PIN, PELVIS
381401	Arm, AM-Upper Rt
381503	PAD, DELTOID GUNSHOT LARGE CALIBER ADULT
381504	PAD, DELTOID GUNSHOT SMALL CALIBER ADULT
381505	PAD, VENTROGLUTEAL GUNSHOT SMALL CALIBER ADULT
381506	PAD, GLUTEAL GUNSHOT LARGE CALIBER ADULT
381507	PAD, THIGH IMPALED ADULT
381508	PAD, THIGH OPEN FRACTURE ADULT
381509	LEG ASSY, LOWER LEFT CONTUSED FOOT/ANKLE ADULT
381510	LEG ASSY, LOWER RIGHT W/FRACTURE ADULT
276-00450	FOREARM, LEFT W/BURNT HAND ADULT MALE
276-00650	PAD, FOREARM-OPEN FRACTURE RIGHT
100-00150	MOUTHPIECES SET, ADLT-CPR BSC HD-(6)
100-00450	SET, AIRWAY-ADLT BSC CPR (100)
100-00550	BULB ASSY, PULSE-W/TUBING/FITTING
100-10150	PELVIS, AM-CONV
100-10250	HEAD, AM-CPR BSC PNTD W/WND
100-10350	SKIN ASSY, CHEST ADLT CPR W/SUCK WND-STD
100-10450	THRUST ASSY, AM ABD-EXP VISC-PNTD-STD
200-00350	CASE, CARRYING-FB MNKN-/LOGO
200-02150	JACKET, ADULT-BLUE
200-02250	PANTS, ADULT-BLUE
276-00350	FOREARM ASSY, RIGHT W/LACERATED DORSUM HAND

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.

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