

# CRASH KELLY

## Directions for Use



**Laerdal**<sup>™</sup>  
*helping save lives*

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Crash Kelly is a life-like manikin that realistically simulates a male patient. It is specifically designed for training professionals in the field of emergency care and transportation of the sick and injured.

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

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**Laerdal Recommends:**

Endotracheal tube - Size 7.5 ID or smaller

10 ml syringe

Laryngoscope blade - Size #3 or #4, straight or curved

Laryngoscope handle

Manikin Lubricant or liquid soap

**Instructor Notes:**

**Items Included:**

- (1) Full Body Manikin
- (1) Silicone Spray Lubricant Kit
- (1) Assembly Tool Kit

**Skills Taught:**

- Oral intubation
- Nasal intubation
- Digital intubation
- EOA/PTL intubation
- Combitube® intubation
- Right mainstem intubation
- Oropharyngeal and nasopharyngeal airway insertion
- Bag/Valve Mask
- Suctioning techniques
- Carotid pulse palpation
- Extrication
- Basic patient handling

**Preparing Manikin for Use:****Head:**

Head is connected to torso with a long bolt located at base of neck, secured with a wing nut.

To remove:

1. Remove chest plate from manikin.
2. Lift esophagus and trachea out of way.
3. Detach stomach reservoir.
4. Remove wing nut.

Head will now slip out of torso.

**Chest and Belly Plates:**

Chest and belly plates fit into torso by a ledge on plate and corresponding groove on torso cavity.

To remove:

1. Apply pressure to center of plate.
2. Working your fingers under edge of plate while lifting.

To insert:

1. Position plate over cavity.
2. Work edges into groove on torso cavity.

### **Injection Pads:**

Injection pads are inserted and removed by squeezing with fingers.

### **Waist, Elbow, Knee and Ankle Joints:**

A bolt and lock nut connect these joints.

To remove:

1. Unscrew lock nut.
2. Pull bolt out of joint.

The segments will now easily disconnect.

### **Laerdal Recommends**

When assembled, talcum powder should be used in joints to assist articulation.

### **Arms:**

Arms are attached by a 4 ½ inches long bolt, three washers, a spring and a wing nut.

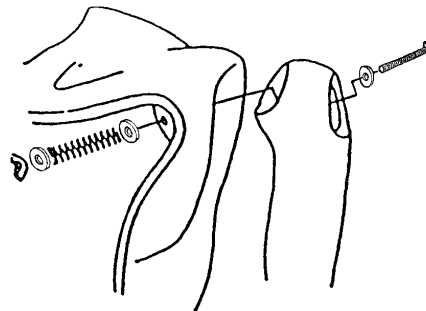
To attach:

1. Remove chest plate from manikin to locate hole in shoulder.
2. Remove deltoid injection pad from arm.
3. Slide washer over bolt.
4. Insert bolt through hole in arm and then through hole in manikin's shoulder.
5. Slide one washer, spring, second washer and wing nut over bolt.
6. Use a screwdriver to hold bolt steady while tightening the wing nut. (See Fig. 1)

### **Laerdal Recommends**

Attachment hardware is located in envelope in box.

To remove arms,  
reverse procedure.



**Fig. 1**

**Legs:**

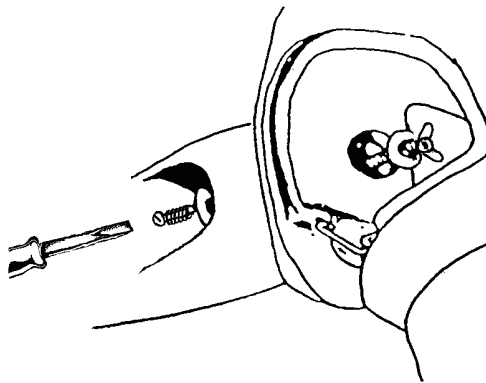
A 6 inches long bolt, a spring, a large washer, a small washer and a wing nut attach legs.

To attach:

1. Remove belly plate from manikin.
2. Locate hole in hip.
3. Remove thigh injection pad.
4. Slide spring and then small washer over bolt.
5. Insert bolt through hole in pelvis.
6. Slide large washer and then wing nut over bolt.
7. Use a screwdriver to drive bolt into wing nut. (Fig. 2)

To remove legs, reverse procedure.

**Fig. 2**

**Instructions for Use:****Intubation:**

For intubation, MPL recommends:

- a. Endotracheal tube size 7.5 ID or smaller
- b. Silicone spray or liquid soap
- c. 10 ml syringe
- d. Laryngoscope blade, sizes #3 or #4 straight or curved blade
- e. Laryngoscope handle

**Laerdal Recommends**

Intubation tubes and airway passages should be sprayed with Manikin Lubricant or lubricated with liquid soap prior to intubation.

### 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.

### 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.

**REPLACEMENT PARTS:**

<b><u>Product Number:</u></b>	<b><u>Description:</u></b>
380460 Adult	Genitalia, Blank- Male
380475	Pin, Pelvis
380600	Leg Assembly, Left Adult
380650	Leg Assembly, Right Adult
380800	Arm Assembly, Left Plain Adult
380801 Male	Hand, Left Adult
381401	Arm, Upper Right Adult Male
381402	Pad Assembly, Injection Adult
101-10150	Belly plate, Hospital- Adult Plain
201-00150 Adult	Head Assembly, Male-Intubation w/Lungs
201-00250	Torso, Adult Male- Hospital Full Cut
300-00150	Pad Assembly, Thigh Injection Adult
300-00250	Pad Assembly, Ventrogluteal Adult Male
Injection 300-00350 Gluteal	Pad Assembly, Injection Adult Male
300-00650 oz	Lubricant, Manikin-4 Bottle W/Sprayer
300-00950	Denture Set, Upper/Lower Adult
300-01350	Reservoir Assembly, Stomach- Male
Hosp Adult 300-01450	Pelvis, Adult Male- Hospital w/o Bridge
300-01550	Lung Bag Assembly
300-01850	Teeth, Upper-Adult
300-01950	Teeth, Lower-Adult

300-02350	Forearm, Right Adult Male
300-02450	Pad, Forearm Right Non-Injection Male
Adult	
300-02550	Hand, Right Adult
Male	
300-02650	Arm, Upper Left Male
Adult	
300-02750	Forearm, Left Adult Male
300-02850	Pad, Forearm Left Non-Injection Adult Male
300-02950	Thigh, Right Adult
300-03050	Leg, Lower Right
Adult	
300-03150	Foot, Right Adult
300-03250	Thigh, Left Adult
300-03350	Leg, Lower Left Adult
300-03450	Foot, Left Adult
300-04250	Hardware Set, Adult Manikin-
Legs/Arms to	Body
300-04350	Hardware Set, Adult Manikin-
Pelvis/Torso	
300-05150	Arm Assembly, Right Plain Adult
300-10250	Chest plate, Hospital Plain Adult

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