

Resusci Anne Simulator

User Guide



Intended Use

The Resusci Anne Simulator is a realistic manikin designed to meet the learning objectives of basic healthcare, intermediate life support and basic simulation training. The manikin supports training for CPR, high quality airway management with ET-tubes and supraglottic airway devices, spontaneous breathing, live defibrillation and synchronized ECG, IV insertion, blood pressure auscultation, pulse monitoring, voice, lung and heart sounds for basic simulation training, Quality CPR (QCPR) feedback on the SimPad PLUS, measure and improve CPR performance.

SimPad and SkillReporting software enables documentation of key events and comprehensive instructor-to-student debriefing.



Photos/illustrations may vary from product.

Read the Important Product Information booklet before use.
Refer to the Laerdal Global Warranty for terms and conditions. For more information visit www.laerdal.com.

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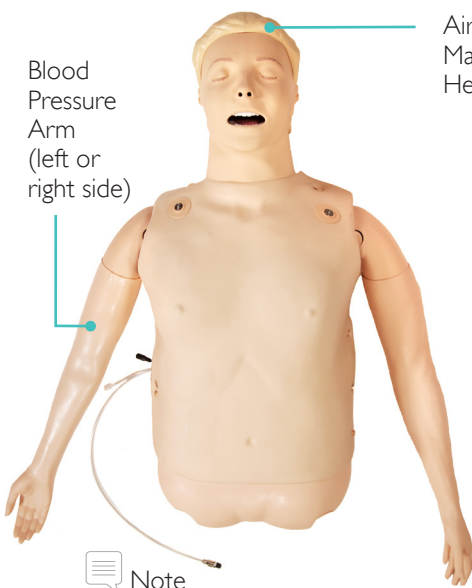
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Items Included

Resusci Anne Simulator Laerdal Link version

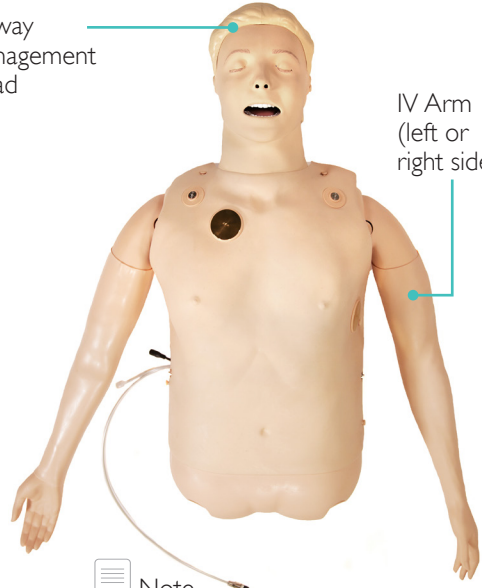
Resusci Anne Simulator Laerdal Defibrillation version



Blood Pressure Arm (left or right side)

Airway Management Head

Note
This manikin is for use with training pads (ShockLink)



IV Arm (left or right side)

Note
This manikin is for use with live defibrillators including paddles



ShockLink (comes with the Laerdal Link version)



Simulated Blood



Lubricant



3 Eye Sets (normal, constricted, dilated pupils)



Air Pump



Blood Pressure (BP) Cuff



Reservoir bag

Items Included



Extrication Rescue Legs



Pants



Full body soft pack



Microphone Headset and 2nd Microphone



AC Adapter and extension cable



USB Cable



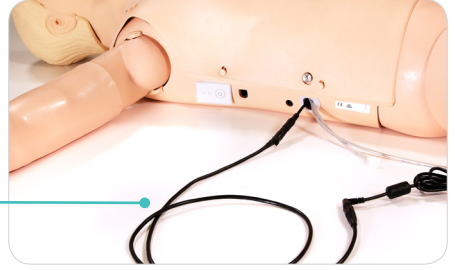
LAN Cable



Microphone Extension Cable

Get Started

Charge battery



Note

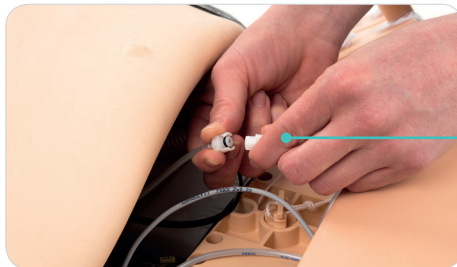
Charge battery before first use.

Attach legs

Detach lower chest skin and fold back.

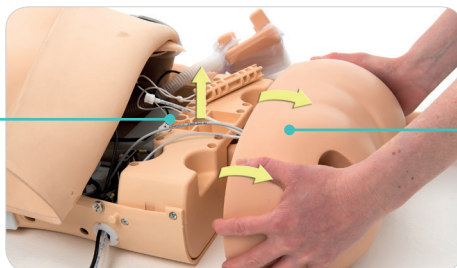


Remove stomach foam.

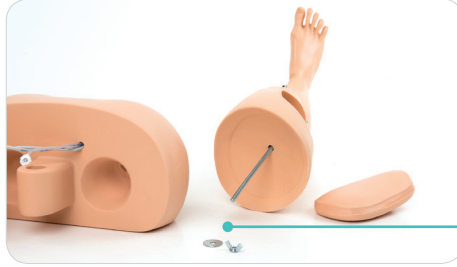


Twist to disconnect tubing between pelvis and torso.

Remove bolt connector:

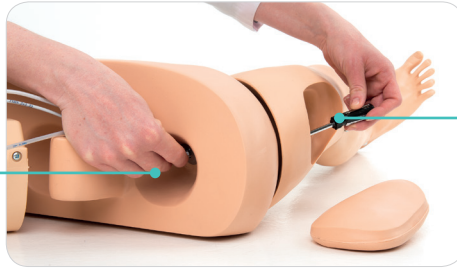


Disengage pelvis from torso.
Do not disrupt connection wires between pelvis and torso.



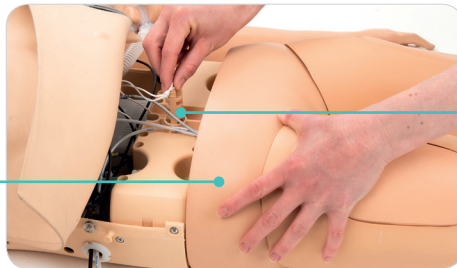
Remove wing nut and washer from bolt inserted in leg. Spring assembly remains in leg.

Remove Thigh Pad and insert bolt through hole in pelvis. Slide washer and wing nut back over bolt.



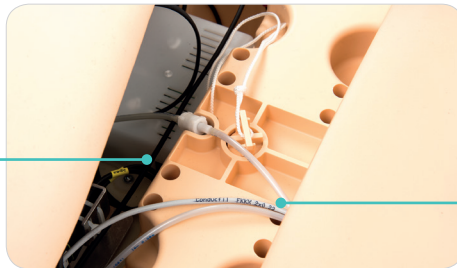
Use screwdriver to secure screw while driving bolt into wing nut.

Reattach pelvis, with legs, to torso.



Replace bolt connector to secure.

Reconnect tubing between pelvis and torso and place in groove.



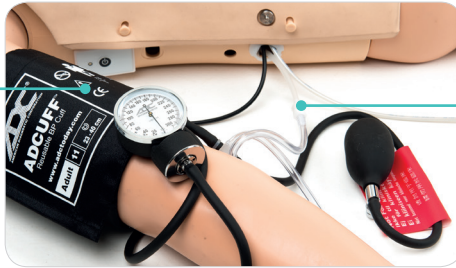
Slide loose wires / tubes down into pelvis.

To remove legs, reverse procedure.

Get Started

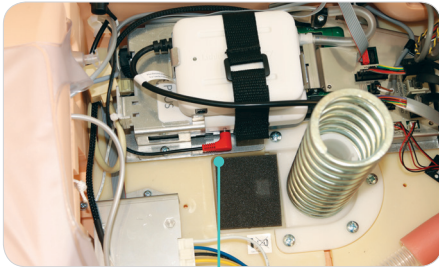
Connect blood pressure cuff to arm

Place blood pressure cuff on arm.

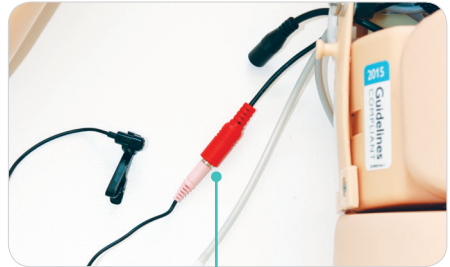


Connect clear tubing on cuff to blood pressure connector on BP tubing. Insert connector and twist to click into place.

Connect external microphone (not included)



Plug extension cable (provided) into jack on side of Link Box.



Plug external microphone to extension cable (red).

Fill air container

Attach air pump hose to fill valve located on right side of torso. Air container is located inside pelvis.



Use manual pump provided (or external compressor). Do not to exceed 10 bar (145 psi).

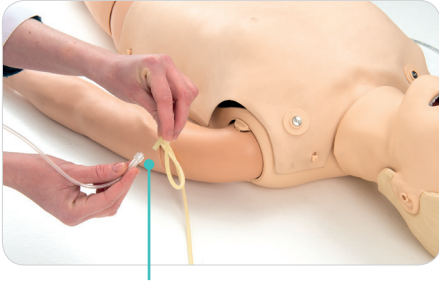
Detach air pump from fill valve.



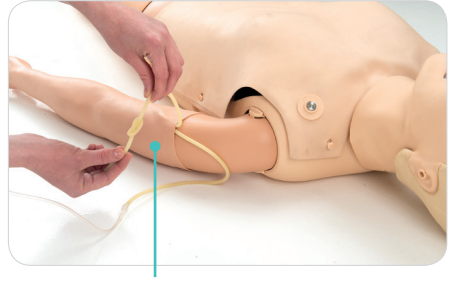
Note

If spontaneous breathing is activated and no chest rise is observed, ensure there is enough air in the air container. Refill as necessary.

Prepare IV Arm



Select a vein and attach IV tubing to IV bag.

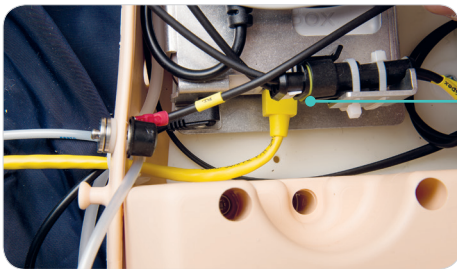


Allow fluid to flow through arm and out of other vein. Clamp off flow (with a knot or clamp) of fluid from open vein.

Connect SimPad to simulator

Refer to SimPad User Guide for instructions. Visit www.laerdal.com to download SimPad User Guide.

Connect PC to simulator (optional for SimPad Patient Monitor)

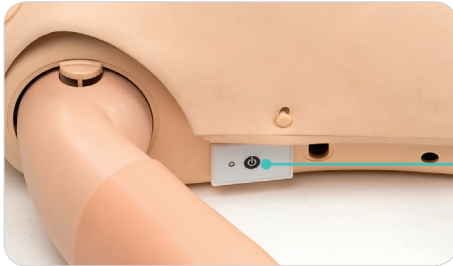


To use PC software, connect Ethernet cable between simulator and a computer. (Cable not included).

Features

On / Off

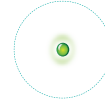
Previous versions of the manikin



On / Off buttons

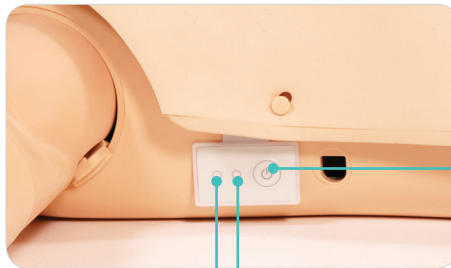


Flashing green light = Manikin is on



Steady green light = Manikin is connected to SimPad

Newer versions of the manikin

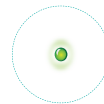


On / Off buttons

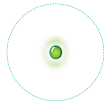
Flashing green light = Manikin starting



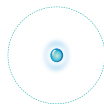
Steady green light = Manikin becomes visible for SimPad



Steady green light = Manikin is on



Steady blue light = SimPad is connected to Manikin



Note

- Press and hold On/Off button for 2-3 seconds to turn off. The manikin can also be turned off via the SimPad.
- The manikin will make a coughing sound when it is fully turned on.

Head tilt / Chin lift



Jaw thrust



Breathing

Spontaneous breathing is controlled by the SimPad.

Chest compressions



Simulator will detect correct hand position.



Note

Spontaneous breathing must be deactivated while performing CPR.

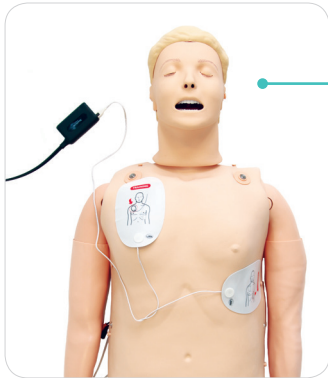
Features

Defibrillation

The Resusci Anne Simulator is available in two versions:

1. Resusci Anne Simulator Laerdal Link Version

- for use with Laerdal ShockLink



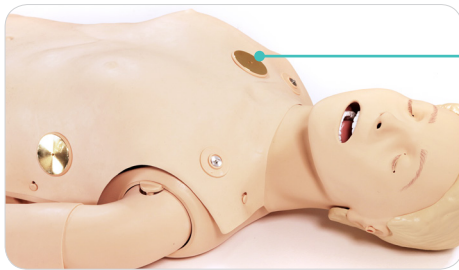
Defibrillation using ShockLink and Training Pads (not included)

Caution

- *Defibrillation must be performed using ShockLink only. Refer to ShockLink Important Product Information. Paddle adapters are not possible to use.*

2. Resusci Anne Simulator

- for use with defibrillation paddles

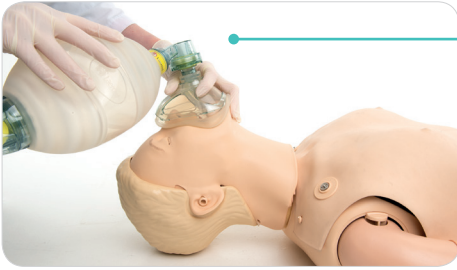


Defibrillation connectors and ECG connectors can be used with AEDs or manual defibrillators.

Caution

- *Defibrillation must be performed over the two defibrillation connectors only. Paddle adapters are supplied for use with manual defibrillators.*
- *To prevent overheating, provide maximum 2 x 360J discharges per minute.*
- *Keep manikin chest dry. Ensure manikin remains dry when using IV arm.*
- *To prevent chest pitting, do not apply conductive gel or conductive defibrillation pads intended for patient use.*

Ventilation



Airway management tools can be used.

Airway obstruction

Airway obstruction can be activated by the SimPad.



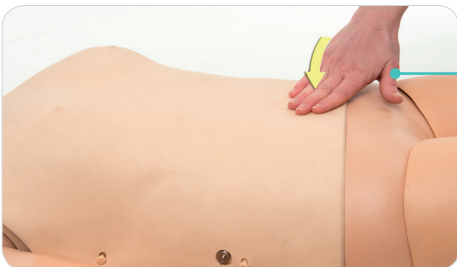
Note

- *If the simulator is turned off while closure valve is closed, valve remains closed. Closure valve will open automatically when simulator is turned on.*
- *Do not use simulated vomit for suctioning.*

Lung

The manikin is equipped with one disposable unilateral lung.

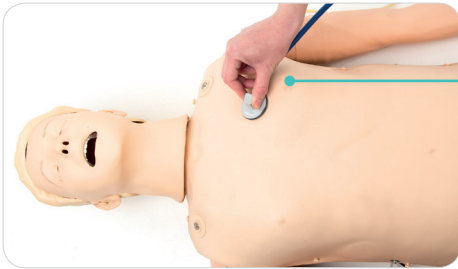
Stomach



To deflate stomach, press gently.

Features

Heart and lung sounds



Heart and lung sounds are controlled by the SimPad.

Blood pressure



Right arm can be used for blood pressure training.

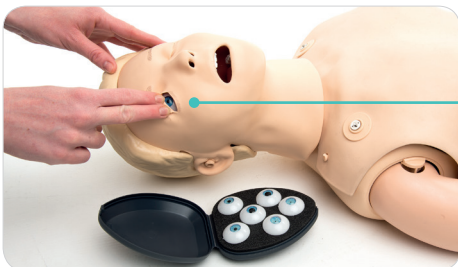
IV arm

Use IV arm for IV training.

 Note

If training session involves administration of fluids and/or drugs, empty arm immediately following session.

Pupils

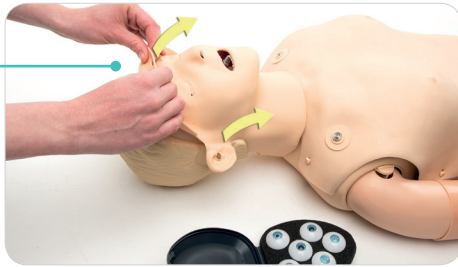


Use different pupils to simulate various patient conditions.

Pupil replacement

Pull back hair:

Detach the top of face skin and ears and fold back until eyes are exposed.



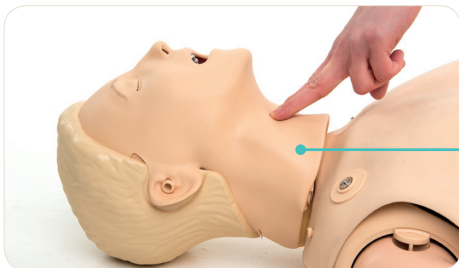
Detach eye from head.

To insert new eye, place in hole and press into place.



Reattach face and hair by reversing procedure.

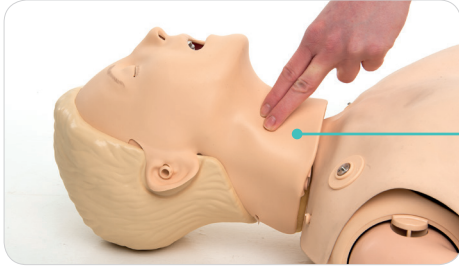
Cricoid cartilage



Cricoid cartilage can be detected.

Features

Carotid pulses



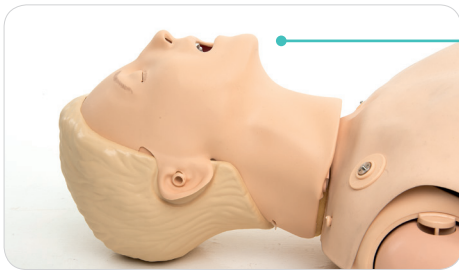
Carotid pulses synchronize to ECG.



Note

Do not use excessive force when palpating the carotid pulse as this will result in no pulse felt.

Voice



Speaker in head emits prerecorded or live sounds. Refer to SimPad User Guide for instructions.

To run simulations

Refer to SimPad User Guide for information on how to control the manikin during sessions.

Preparing for IO Simulation

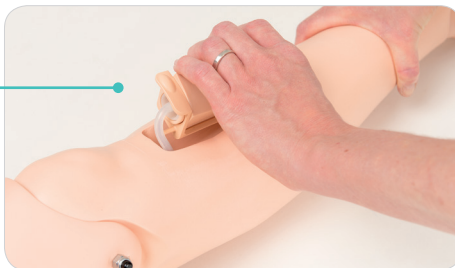
Attach the Tibial IO bag to the Tibial tube.
Close the pinch clamp.



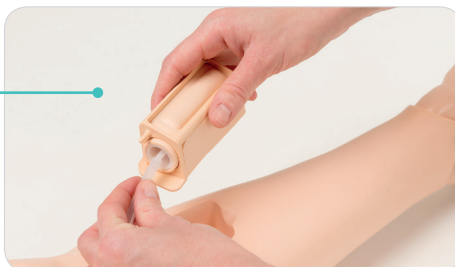
Detach leg skin.



Remove the Tibial IO Unit from the leg.

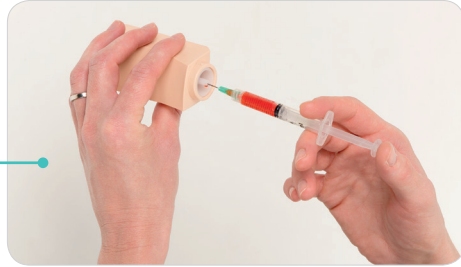


Remove the tube from the Tibial IO Unit.



Use

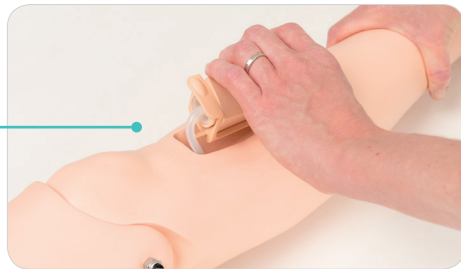
Fill the Unit with 30 - 35ml of blood mixture.



Connect the tube to the Unit.



Replace the Unit into the leg cavity.



Replace leg skin. Unpinch clamp.



Replacing the Tibial IO Pad

Attach the Tibial IO bag to the Tibial tube.

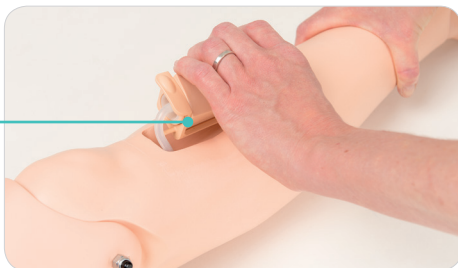
Close the pinch clamp.



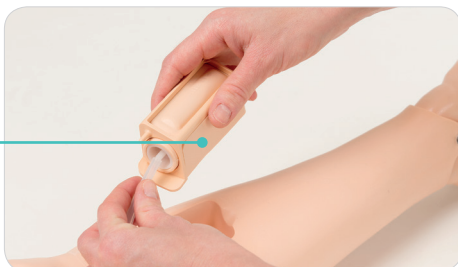
Detach leg skin.



Remove the Tibial IO Unit from the leg.

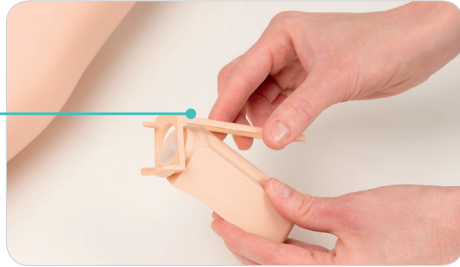


Remove the tube from the Tibial IO Unit.

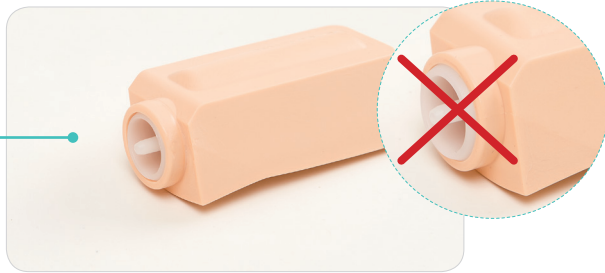


Maintenance

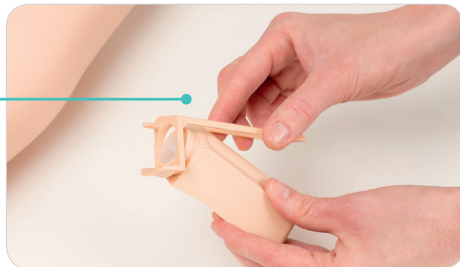
Remove the Tibial IO Pad from the Chassis.



Ensure nipple is retracted in the new pad



Fit the new Pad into the Chassis.



Secure by pressing the rear of the Pad until the unit locks in place.

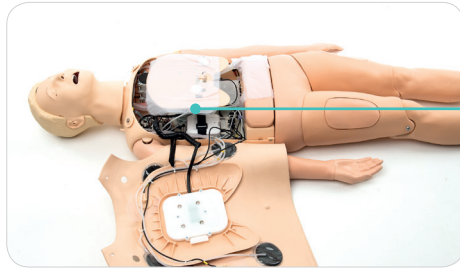


Then replace the Unit into the Leg.

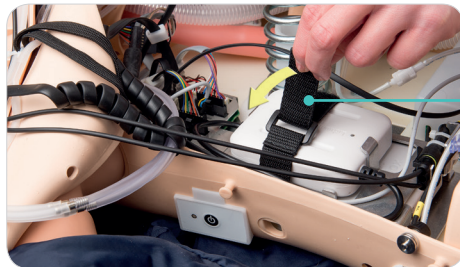
Change battery



Only use Laerdal lithium-ion battery.



Battery is located inside the manikin.



Release strap securing battery to Link Box.



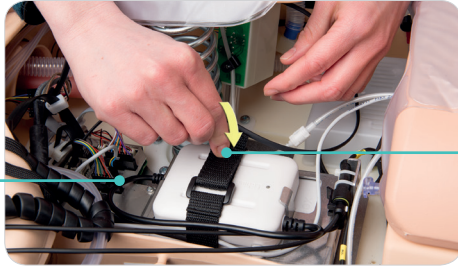
Remove battery.

Detach battery connector from Link Box.



Maintenance

Replace battery.
Plug in battery
connector:



Secure battery
with strap.

Ventilation

- Lubricate airway with two or three sprays prior to starting your training session.
- Lubricate airway management tools liberally prior to starting intubations. Consider whether additional lubrication is needed later in the session.
- Use only lubrication provided. Do not use silicon or other lubricant, as this may damage manikin.

 Note

Head contains electrical components. Due to inability to sanitize airway, mouth-to-mouth/mouth-to-mask ventilation should not be performed.

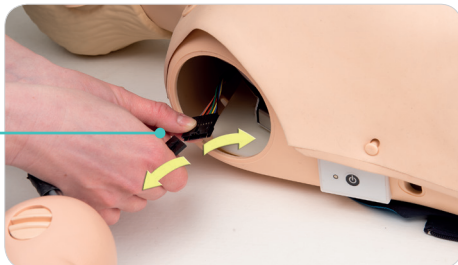
BP arm assembly and disassembly

For transportation using hard case you must disassemble BP arm.

Press grooves to
release arm and
expose cable.



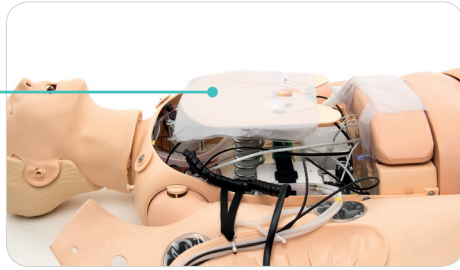
Detach cable.
Remove arm.



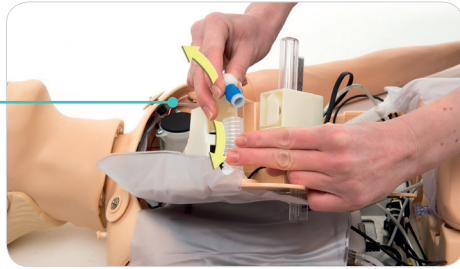
To reassemble,
reverse procedure.
Ensure grooves on
bolt fit properly
into hole on torso.
Reattach chest skin

Lung replacement

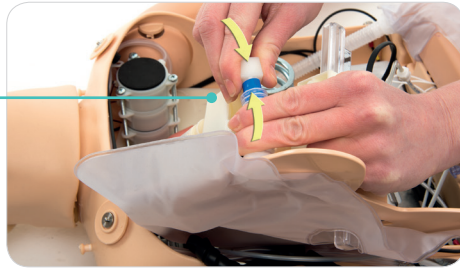
Detach chest skin to expose lung.



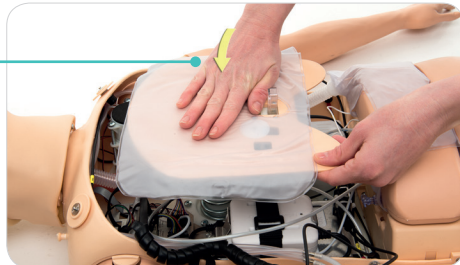
Detach tubing from blue airway closure valve located under lung plate.



Reattach tubing to airway closure valve and attach new lung.



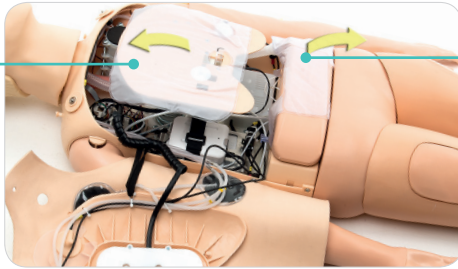
Press gently to secure lung plate.



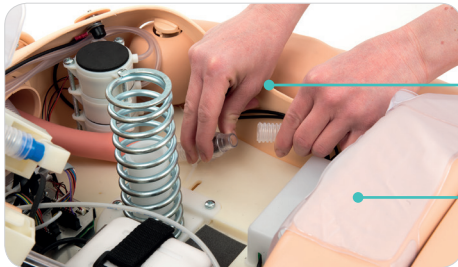
Maintenance

Stomach replacement

Detach chest skin and lift lung plate to locate and easily access stomach tubing.



Lift stomach piece.

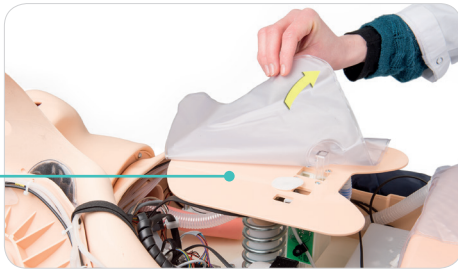


Detach stomach bladder and tubing from stomach valve. Attach new stomach bladder.

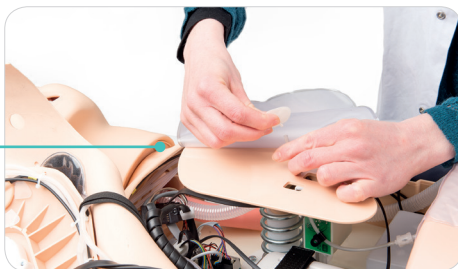
Replace stomach piece. Reattach chest skin.

Breathing bladder replacement

Detach chest skin and locate breathing bladder under lung.



Detach breathing bladder and replace with new bladder.



Reattach lung to lung plate. Reattach chest skin.

Preventive maintenance is the best method to ensure optimal operation. General inspection should be conducted at regular intervals.

Periodically wash all skin parts that are not regularly sanitized using warm water and soap or manikin wipes.

Most stains can be removed with warm water and soap or Laerdal manikin wipes. Before use, test cleaning agents on a non-critical area (e.g. under the chest cover).



Note

Pigments from lipstick and pens may be impossible to remove. Avoid using coloured plastic gloves when handling the manikin, as they may cause discolouration.

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20-12270 Rev B

www.laerdal.com



Laerdal
helping save lives