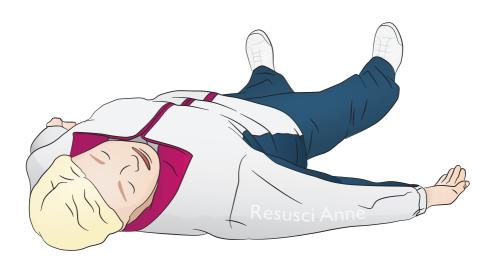


Resusci Anne Adanced Skill Trainer

User Guide





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Intended Use

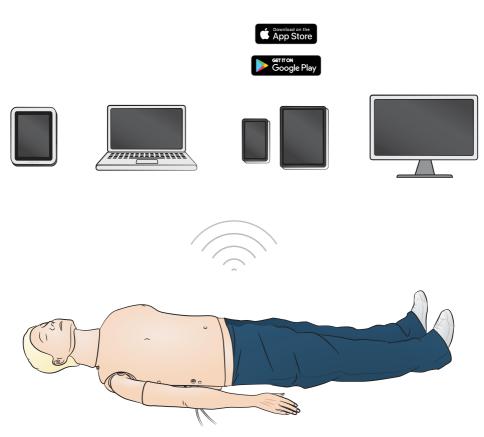
The Resusci Anne Advanced SkillTrainer (RA AST) is designed to meet the core learning objectives of intermediate to advanced healthcare. The manikin supports training for CPR, defibrillation, IV therapy and basic to intermediate (supraglottic) airway management procedures. Adding the optional first aid and rescue limbs also enables first aid and extrication practice.

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

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.



Illustrations may vary from product.



Operating Systems

- SimPad PLUS
- LLEAP

Compatible systems

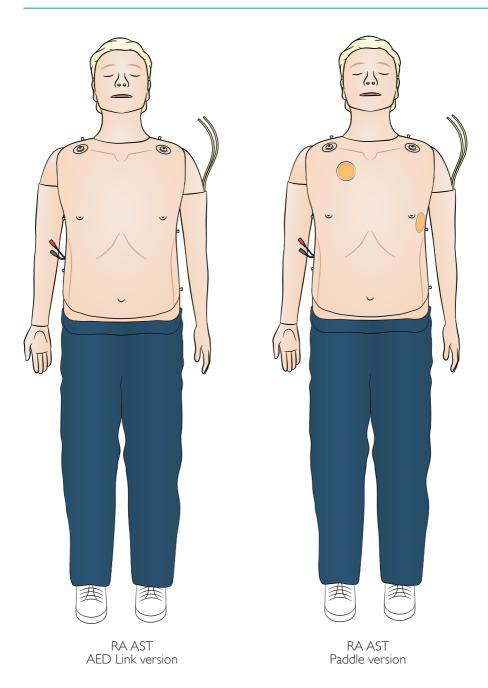
- Laerdal Simulation Home
- Voice Conference Application
- Patient Monitor

To enable scenarios, real time feedback and debriefing, connect to SimPad PLUS or other PC or Tablet applications.



Note

Visit www.laerdal.com to download SimPad PLUS User Guide.





3 Eye Sets (normal, constricted, dilated pupils)



ShockLink included with the AED Link version



Simulated Blood



Lubricant



Clothes





AC Adapter and extention cable



Trolley Bag



Documents



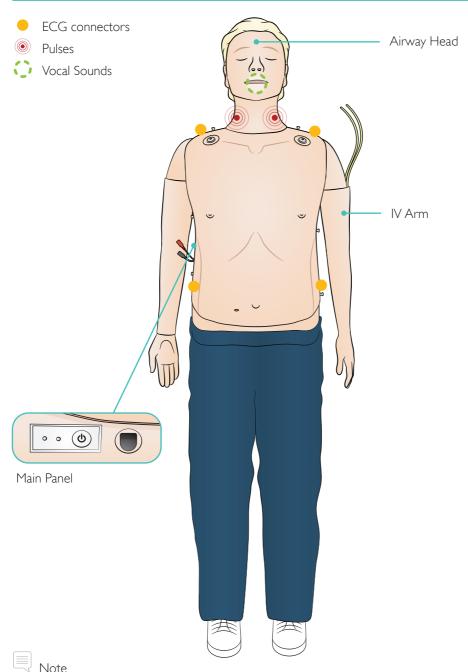
Microphone Extension Cable





USB Cable

Overview



IV Arm can be reversed in alternative configuration; IV right and opposite.

Airway Features

Anatomically accurate, realistic airway including Cricoid cartilage Head tilt / chin Lift Jaw thrust
Bag Valve Mask (BVM) Ventilation
Endotracheal Intubation (Anatomical correct down to vocal cords)
Supraglottic intubation (iGel, Laryngeal Tube LTS, LMA and others)
Sellick Maneuver
Tongue fall back
Stomach distension

Cardiovascular Features

Live defibrillation (AED Link version with use of ShockLink)
Defibrillation with paddles (Paddle plate configuration)
Automatic rhythm change after defibrillation
ECG monitoring and Extensive ECG library
QCPR Live feedback
Pulses (carotid, bilateral)
Compression measurement and feedback

Vascular Features

Multivenous IV arm

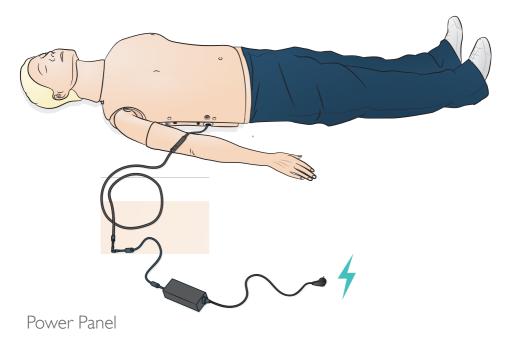
Other Features

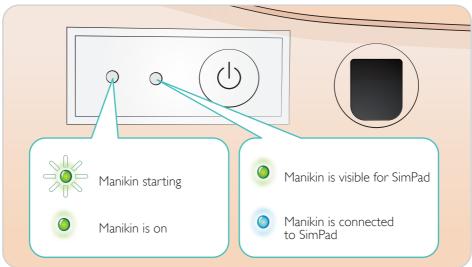
Interchangeable pupils Log files for debriefing

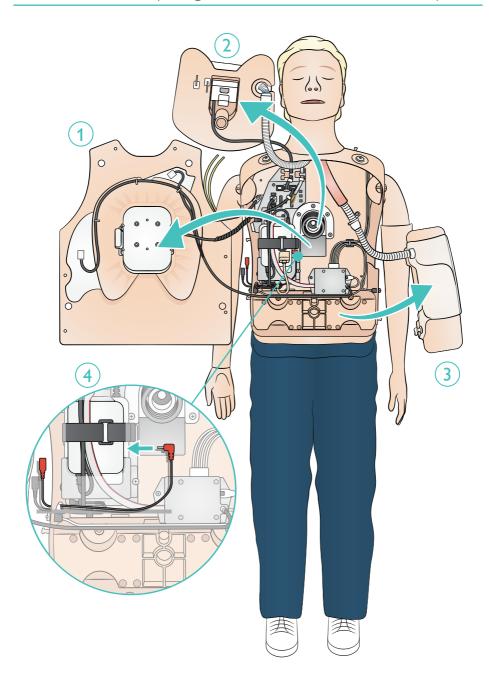
Charging

Charge battery using AC Adapter complete with extention cable.

Fully charge battery before first use. Use AC adaptor with extension cable to charge.

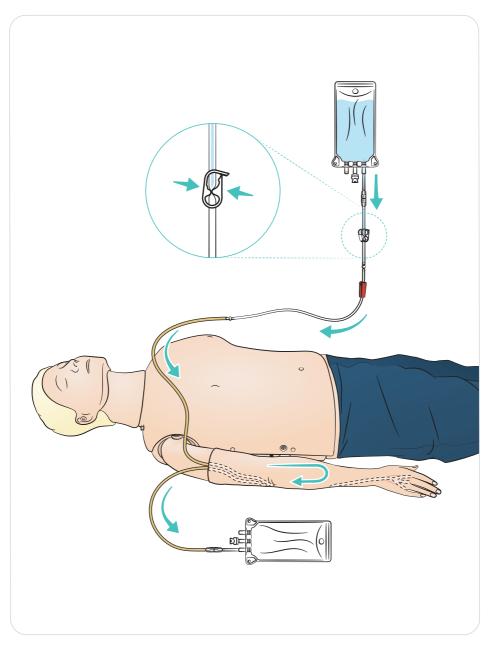






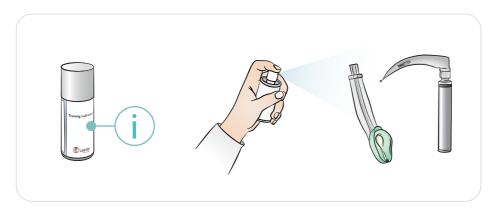
Preparing for Simulation - IV Arm

Attach IV tubing to IV bag. Allow fluid to flow through arm and out of other vein. Use clamp to stop flow.



Lubrication

- 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 Laerdal Airway Lubricant. Do not use silicon or other lubricant, as this may damage manikin.
- Lubricate the supraglottic or ET tubes before insertion.





Note

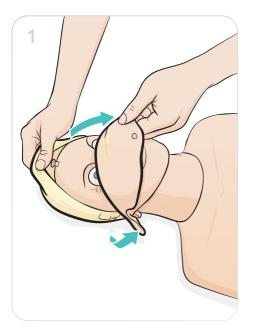
Head contains electrical components. Due to inability to sanitize airway, mouth-to-mouth/mouth-to-mask ventilation should not be performed.

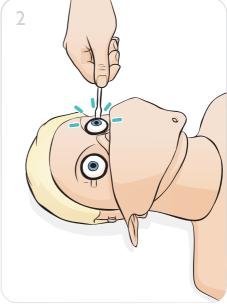
⚠ Cautions

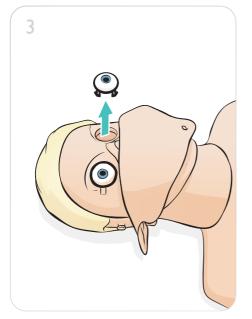
- Use only Laerdal Airway Lubricant. Other lubricant not approved by Laerdal can damage the airway.
- Lubricate instruments and tubes before insertion into the airway. Non-lubricated instruments and tubes are difficult to insert and can also damage the airway.
- The airways in the Airway Head cannot be completely sanitized, therefore, do not do: Mouth-to-mouth ventilation, mouth-to-mask ventilation, insertion of simulated vomit for suctioning.

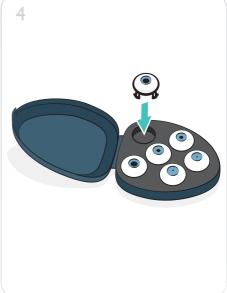
Preparing for Simulation - Change Eyes

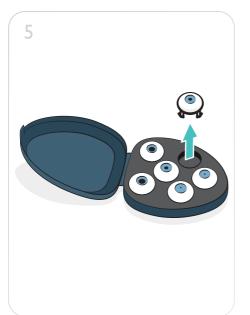
Use different pupils to simulate various patient conditions.

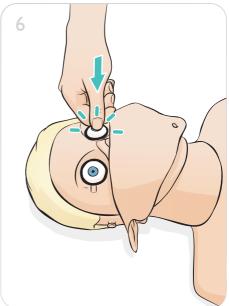


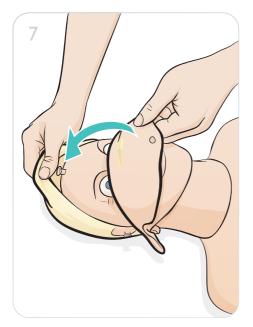












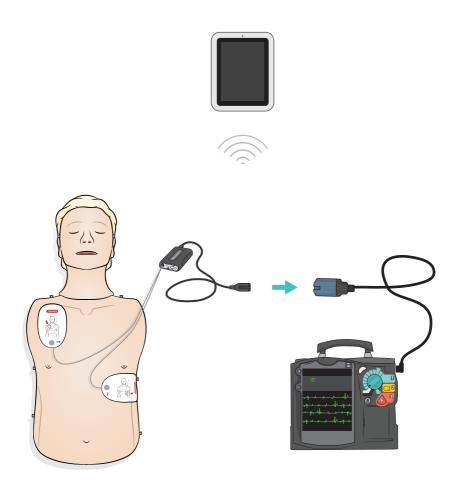


Resusci Anne Advanced Skill Trainer Link version

Defibrillation using ShockLink and Training Pads. The SimPad PLUS (LLEAP) extensive ECG library will overide the internal ShockLink ECG library.



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

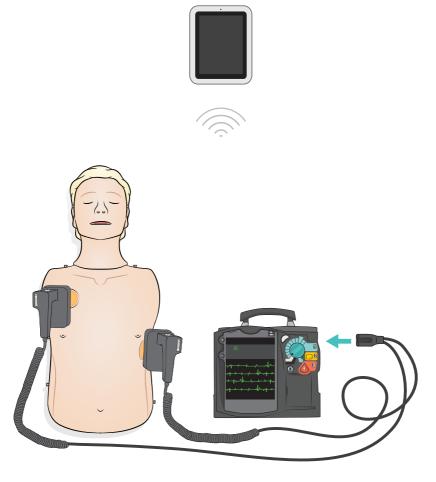


Resusci Anne Advanced Skill Trainer Paddle version

The paddle plates are designed for use with manual defibrillators with paddles. The paddle plates can be replaced with the peg set included.

⚠ Cautions

- Defibrillation must be performed over the two paddle plates only. Alternatively use with peg set mounted and connect the defibrillator by HeartStart Defibrillator Training Cable
- 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.

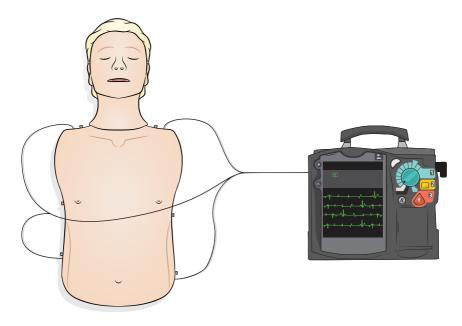


Use - Connect ECG Monitoring

Monitoring ECG is provided over the four ECG connectors as illustrated. Monitoring ECG can be selected in the SimPad PLUS (LLEAP) ECG library. The monitor defibrillator ECG lead selector can determine the ECG lead(s) selected.

⚠ Caution

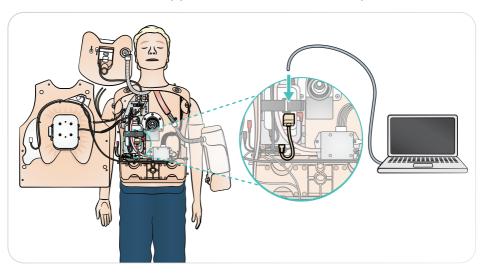
The ECG monitoring connectors are not designed for defibrillation or pacing energy.

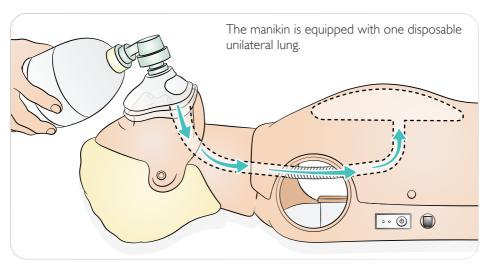


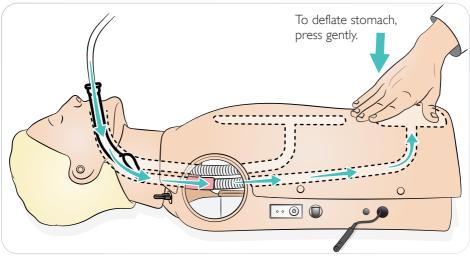
Connect SimPad to simulator

Refer to SimPad User Guide for instructions. Visit www.laerdal.com to download SimPad User Guide. Connect to SimPad PLUS wirelessly or with a USB-C cable.

Connect PC to simulator (optional for SimPad Patient Monitor)







Note

Do not use simulated vomit for suctioning.

Manikin will detect correct hand position.



Use - IV Arm

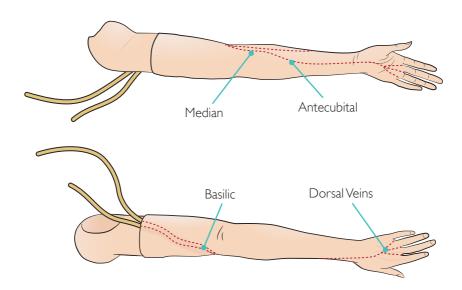
The IV arm supports simulation of IV drug administration, IV insertion, infusion, and bolus into peripheral veins of forearm, antecubital fossae, and dorsum of the hand.

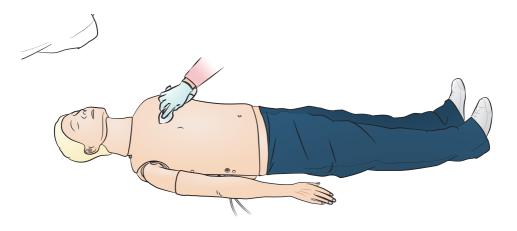


Notes

- Do not store the simulator with fluid in the IV Arm System. Use a syringe to flush remains of any injected water from the tubing and components prior to storage.
- IV arm can be on left or right side depending on configuration
- See Installation Guide for IV arm skin and veins kit for further instructions.

Recommended needle size: 22 - 24 G





General

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.

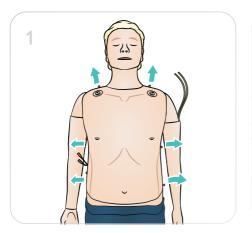
Most stains can be removed with warm water and soap or Laerdal manikin wipes. Before use, test cleaning agents on a non-critical area (e.g. under the chest cover).

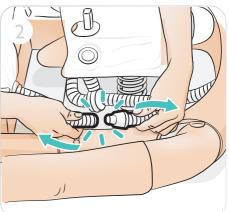


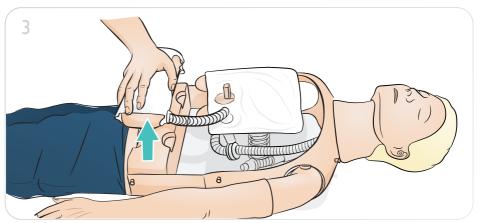
Note

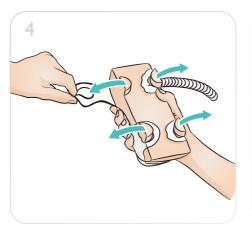
Pigments from lipstick and pens may be impossible to remove. Avoid using coloured plastic gloves when handling the manikin, as they may cause discolouration.

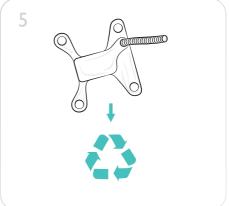
Maintenance - Stomach Replacement



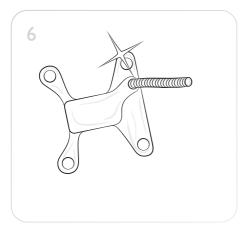


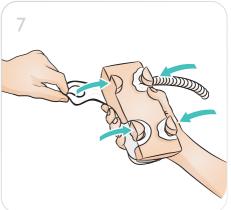


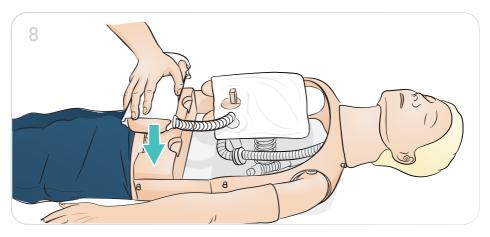


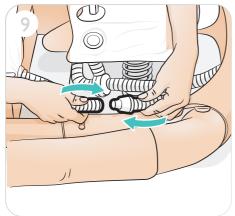


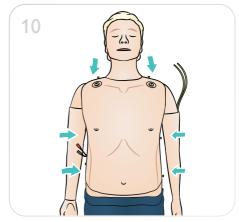
Maintenance - Stomach Replacement



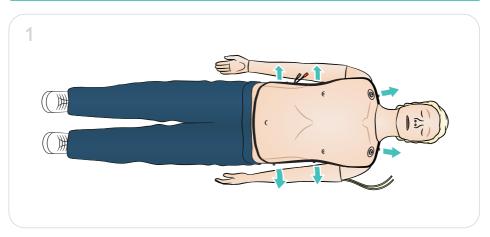




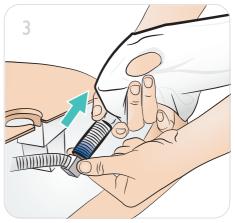


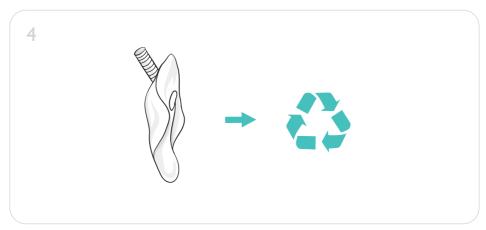


Maintenance - Lung Replacement

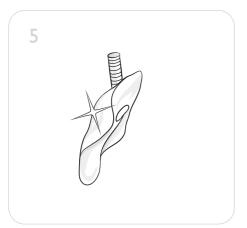








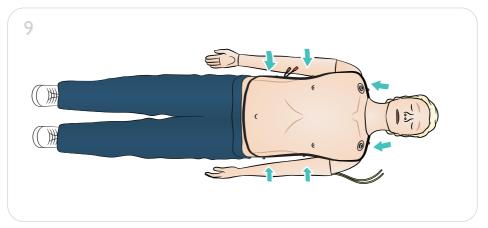
Maintenance - Lung Replacement

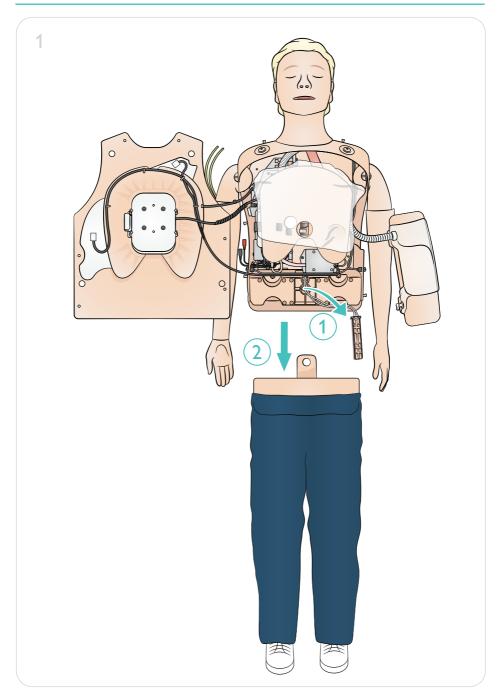




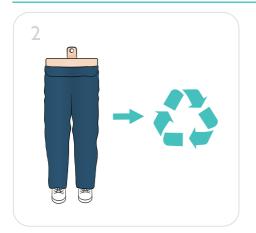




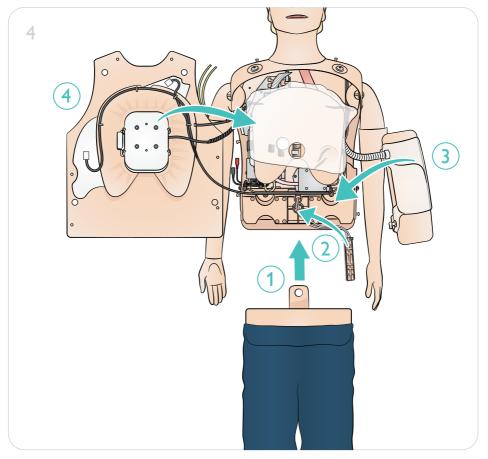


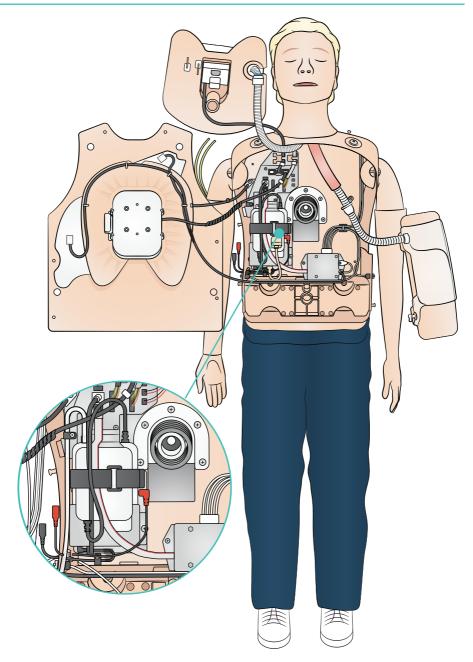


Maintenance - Leg Replacement

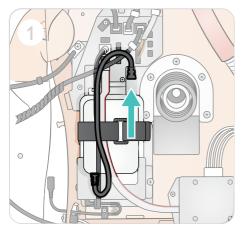








Maintenance - Battery Replacement

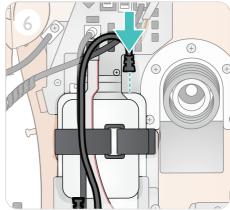












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Manufacturer: Laerdal Medical AS

P.O. Box 377

Tanke Svilandsgate 30, 4002 Stavanger, Norway T: (+47) 51 51 17 00

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