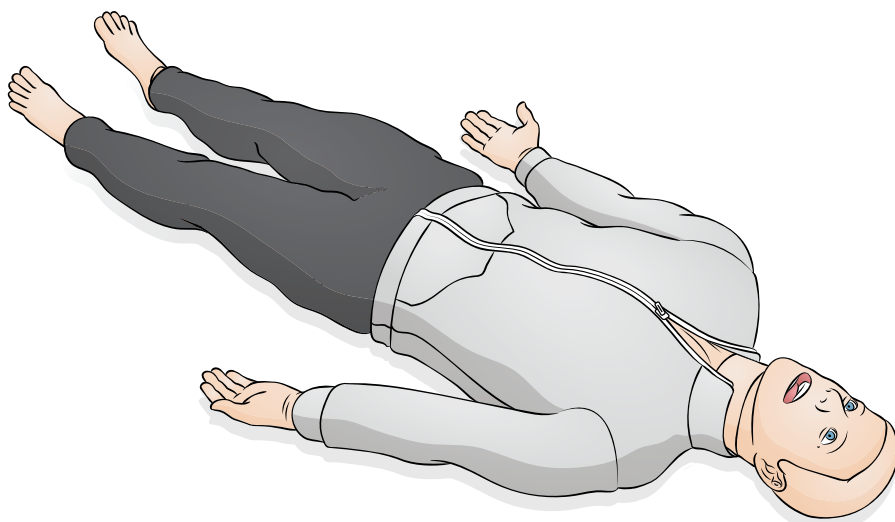


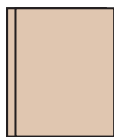
# SimMan ALS

Preventative Maintenance Kit

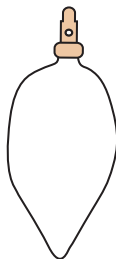


## Items Included

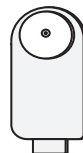
Before you install this Preventative Maintenance Lite Kit, please visit [www.laerdal.com/laerdalpmkit](http://www.laerdal.com/laerdalpmkit) and watch the instructions.



Left leg band (1 in each color)



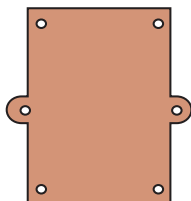
Lung Assembly



Pneumothorax Assy



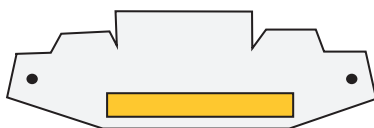
Compliance O-ring



Chest Drain Pleura



Neck skin with Velcro  
(1 in each color)



Finger protection



Chest Rise Bladder

### Replace the chest rise bladders

1. Lift the chest plate and disconnect the pneumothorax bladders tubes.
  2. Push the pneumothorax bladders out from the front side of the chest plate
  3. Set the chest plate aside without disconnecting the wires.
  4. Lift the chest compression plate and disconnect the chest rise bladders.
  5. Replace the chest rise bladders with the new ones.
- 

### Replace the lungs and O-rings

1. Remove the compression spring assembly from the chest cavity.
  2. Remove the stomach pad from the chest cavity and set aside without disconnecting the stomach distention tube.
  3. Remove the O-rings securing the lungs inside the chest cavity.
  4. Disconnect the pressure sensor tube from the lung.
  5. Open the lung cover and remove the lung.
  6. Take the new lung.
  7. Insert the lung inside the lung cover and attach it.
  8. Connect the pressure sensor tube to the lung.
  9. Secure the lung cover with new O-rings.
  10. Repeat the action on the other lung.
- 

### Reassembly

1. Place the compression spring assembly inside the chest cavity.
  2. Put the stomach pad inside the chest cavity.
  3. Lower the chest compression plate.
  4. Take the pneumothorax air tubes and insert them through the compression plate.
  5. Connect the pneumothorax air tubes to the chest rise bladders.
  6. Place the chest plate on the chest compression plate.
- 

### Replace the Chest Drain Pleura

1. Remove the chest drain rib located on the right side of the manikin.
2. Peel off the chest drain pleura.
3. Take the new chest drain pleura and place it on the chest drain rib.
4. Attach the chest drain pleura to the chest drain rib pins.
5. Put the chest drain rib back.
6. Repeat the action on the other side.

## Arms and Legs

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### Replace the Neck Skin

1. Remove the neck skin.
  2. Take the new neck skin and attach it on the neck.
- 

### Replace the leg band

1. Unpeel the lower leg band and remove it.
  2. Take the new lower leg band and place it around the lower leg.
- 

### Replace Finger Protection Foam

1. Turn SimMan ALS so it lays on its chest.
2. Use pliers to remove the pins that hold the finger protection foam.
3. Remove the finger protection foam.
4. Take the new finger protection foam and remove the adhesive band protective film.
5. Insert the pin of one side and stick the finger protection foam to the back.
6. Insert the other pin to secure the finger protection foam.



#### Note

*Make sure that the finger protection foam doesn't obstruct the holes on the back.*

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