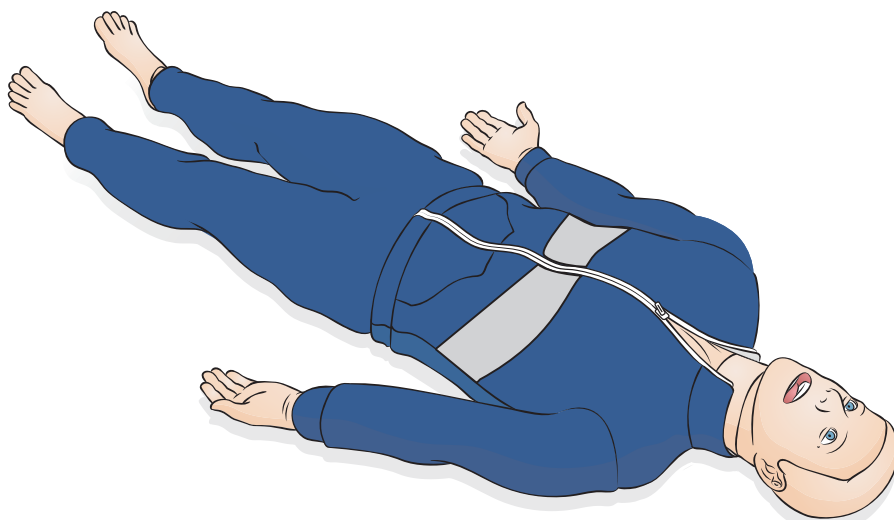


MegaCode Kelly

Preventative Maintenance Kit

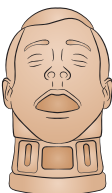


Items Included

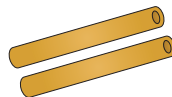
Before you install this Preventative Maintenance Lite Kit, please visit www.laerdal.com/laerdalpmkit and watch the instructions.



Torso Skin



Head Skin



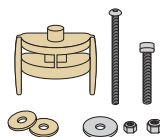
Spacers



Airway



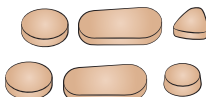
Upper teeth



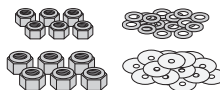
Neck Cradle parts



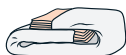
Arm skin with veins
(Left and Right)



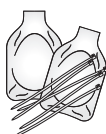
IM Pads



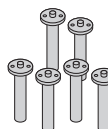
ECG parts (nuts/washers)



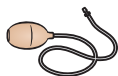
Neck skin



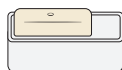
Lungs and cable ties



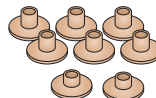
ECG parts (couplings)



Pulse Bulb



Pulse Assy



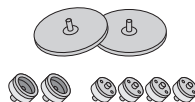
ECG parts (posts)



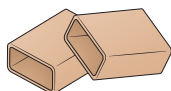
Mid-Clavicle Bladders



Mid-Axillary Bladders



ECG parts (tops)



Thoracentsis pads

Replace the Chest Bladders

Remove the legs

1. Remove the screw on each side of the hips to loosen the legs.
 2. Remove the legs.
-

Remove the head skin

1. Unfasten the neck skin at the back of the neck.
 2. Remove the neck skin.
 3. Unfasten the elastic straps at the back of the head.
 4. Unfasten the attachment points on each ear.
 5. Peel off the head skin.
 6. Disconnect the carotid pulse wires connecting the head skin to the neck.
 7. Finish peeling off the head skin.
-

Replace the upper teeth

1. Remove the upper teeth.
2. Peel off the torso skin.



Note

Make sure not to damage the ECG studs.

3. Remove the chest plate and set it aside without disconnecting the wires.
 4. Remove the screws holding the jaw.
 5. Remove the jaw.
 6. Remove the screws holding the upper plate inside the mouth.
 7. Remove the lung bags from the chest cavity to expose the airway assembly.
 8. Cut the two cable ties holding the lung tubes and airway assembly.
 9. Disconnect the lung tubes from the airway assembly.
 10. Remove the white protector, foam pad and compression pad from the chest cavity.
 11. Unscrew the stomach tube and disconnect it from the airway assembly.
 12. Remove the foam padding from the airway assembly.
 13. Disconnect the tongue inflation tube.
 14. Remove the airway assembly.
-

Remove the head

1. Remove the screw securing the head on the neck.
2. Remove the head.

Replace the Chest Bladders

Remove the neck

1. Remove the screw securing the neck on the torso.
 2. Remove the neck from the torso.
-

Remove the mid-axillary bladders

1. Lift the right arm to access the mid-axillary cover.
 2. Remove the mid-axillary cover.
 3. Disconnect the mid-axillary bladder from the air tube.
 4. Remove the mid-axillary bladder.
 5. Repeat the action on the left side.
-

Remove the mid-clavicle bladders

1. Take the chest assembly that was set aside.
 2. Inside the chest assembly, remove the screws securing the bladder retainer plate.
 3. Remove the bladder retainer plate.
 4. Remove the mid-clavicle bladder assembly.
 5. Remove the airway assembly.
-

Replace the mid-clavicle bladders

1. Put the mid-clavicle bladders in the chest cavity.



Note

Make sure the chest bladders are flat and correctly inserted in the chest cavity.

2. Put the bladder retainer plate in place.



Note

Make sure the mid-clavicle bladder tubes fit in the bladder retainer plate slits.

3. Screw the bladder retainer plate in place.
 4. Connect the mid-clavicle bladders tube to the air tube.
 5. Cut off worn ends on the air tube if needed.
-

Replace the mid-axillary bladders

1. Remove the connectors from the old mid-axillary bladder assembly and connect them on the new ones.
2. Connect the mid-axillary bladder to the air tube.
3. Insert the mid-axillary bladder inside the mid-axillary cover.
4. Insert the mid-axillary cover with the rib pattern facing outward.

Replace Lungs & Airway

Assemble the neck and head

1. Assemble and reattach the neck to torso.



Note

A written neck assembling guide is included.

2. The flat side of the neck must face outward.
 3. Do not tighten the screws and washers too much.
 4. Mount the head on the neck.
 5. Insert the neck screw to hold the head and neck in place.
 6. Tighten the neck-head assembly with a nut.
-

Replace the lungs

1. Roll down the lung protector bag to expose the cable tie around the lung bag.
2. Cut the cable tie that holds the lung bag and the airway tube.
3. Pull the airway tube out.
4. Take the new lung and insert the airway tube into the lung bag.
5. Roll down lung protector bag and tighten the airway tube using a new cable tie.
6. Repeat the process on the other lung.
7. Place the foam pad inside the chest and the tubes in their housing.



Note

Make sure the tubes are on top of the foam parts.

Replace the airway assembly

1. Take out the old foam pieces.
 2. Put the foam padding on the mouth part of the airway assembly.
 3. Put the foam padding behind the mouth.
 4. Connect the stomach tube to the airway assembly.
 5. Connect the tongue inflation tube to the airway assembly.
 6. Place the white protector behind the airway assembly.
-

Reattach the lungs assembly

1. Connect each lung bag to the airway assembly.
2. Secure the tubes with new cable ties.
3. Cut the cable ties ends to fit.
4. Place the lung bags inside the chest cavity. Connect the mid-clavicle bladders tube to the air tube.
5. Cut off worn ends on the air tube if needed.

Replace the Upper Teeth and Head Skin

Secure the airways inside the head

1. Place the airways inside the head.
 2. Align the holes on each side of the airways to the pegs on each upper jaw.
 3. Put the upper plate inside the mouth and tighten it with screws.
-

Replace the upper teeth

1. Place the jaw underneath the mouth and above the airway assembly.
2. Tighten the jaw with screws.



Notes

- *Make sure the screw goes through both the jaw and mouth part of the airway assembly.*
 - *Make sure the tongue inflation tube passes between the jaw and airway assembly.*
3. Place the lower teeth inside the mouth and tighten it with screws.
 4. Take the new the upper teeth.
 5. Place the new upper teeth inside the mouth.
 6. Place the compression plug in the spring inside the chest.
-

Prepare the new head skin bladders

1. Remove the carotid pulse units from the inside of the old head skin.



Note

Use the new carotid pulse units if they are included in the kit.

2. Insert the carotid pulse units inside the new head skin.



Note

For easier access, insert them through the front of the head skin.

3. Make sure the wire connection part of the carotid pulse units faces downward.
 4. If the carotid pulse units are not placed correctly, it will be impossible to connect the carotid pulse wires.
 5. Connect the carotid pulse wires to the carotid pulse units.
-

Attach the new head skin bladders

1. Place the head skin over the head.
2. Place the cables so they are not trapped between the head skin and the head.
3. Place the head skin over the ears and behind the head.
4. Attach the elastic straps behind the head.

Replace the Neck Skin, ECG/Defib studs, IM pads and Torso Skin

Replace the neck skin

Attach the new neck skin around the neck.

Replace the ECG and defibrillation studs



Note

There are two sizes of washers: short for the defibrillation studs (2) and long for the ECG studs (4)

1. Use spring clip pliers to loosen the studs.
2. Remove the plastic covers to access the nuts if necessary.
3. Place the covers and tighten with screws.



Note

You can also use Loctite (not provided in the kit).

4. Place the chest plate on the torso.
5. Place the foam pad inside the chest and the tubes in their housing.



Note

Make sure the tubes are on top of the foam parts.

Assemble the legs

1. Assemble the legs on the torso.
 2. Tighten the legs with screws.
-

Replace the Intra Muscular (IM)pads

Replace the IM pads inside the shoulder, lower back and thighs.

Replace the torso skin

1. Take the new torso skin.
2. Attach it to the torso.

Replace the Right Arm Skin & Veins

Replace the right arm skin and veins

1. Take the new right arm skin and veins.
2. Carefully cut the old arm skin and peel it off.
3. Remove the veins from the hand.
4. Clean the arm with manikin wipes to remove old material.



Note

You can also use a 70% ethyl alcohol and water solution if you do not have manikin wipes.

5. Place the veins back over the hand and between the fingers
6. Apply small amounts of super glue where the veins touch the arm.
7. Press and hold the veins in place until the glue sets.
8. Turn the arm and continue the action on the rest of the arm.
9. Lubricate the inside of the new arm skin with liquid soap.
10. Put the arm skin on the manikin's arm.



Note

If needed, apply more liquid soap to make the arm skin slide on more easily.

