

C-P3 MECHANICAL CPR DEVICE		
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### Criteria for Use of Mechanical CPR Device:

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- Patient >12 years old, and >42 kg (90 lbs)
- **Use of the Mechanical CPR Device is not required.** If there are adequate properly trained personnel on scene, routine chest compressions may continue.

### Exclusion Criteria:

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- Body habitus too large for the device
- Any individual which the suction cup or band does not make firm contact with the chest
- Down time suspected to be  $\geq 15$  min (or confirmed >10 min) without CPR

## Procedure - Mechanical CPR Device

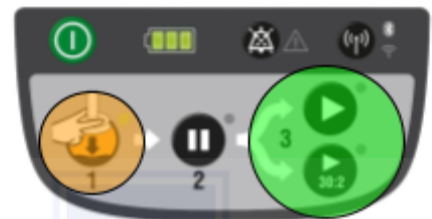
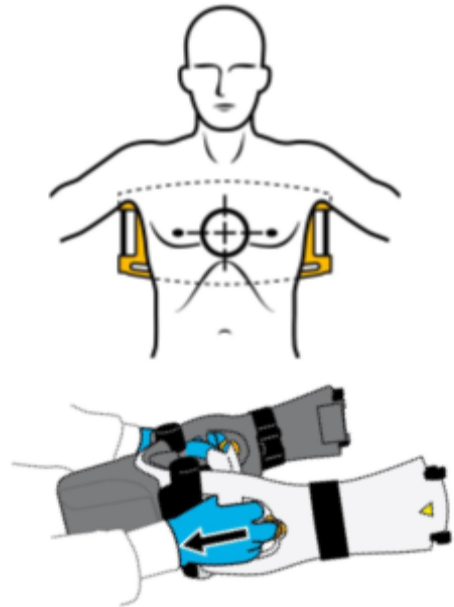
1. CPR will be performed manually for at least one cycle (2 minutes), and the patient will be ventilated with a BVM/oral airway during this time.
2. After 2 minutes, the defibrillation pads will be applied to the patient. At this time the Mechanical CPR device will also be applied to the patient [**see below**].
3. Defibrillation performed if indicated.
4. CPR then resumed using the Mechanical CPR Device.
5. Obtain airway control (OPA/NPA/BVM, King Airway/ETT, etc.), IV/IO access, and initiate ACLS interventions per appropriate resuscitation guideline.
6. If pulse confirmed (ROSC), prepare for immediate transport. The Mechanical CPR device may be turned off, but must be left on the patient during transport.
7. If the patient goes back into cardiac arrest, immediately resume of Mechanical CPR.
8. Detailed documentation with times of all initiation and termination of use of the Mechanical CPR device must be kept for statistical and feedback purposes

**If the Mechanical CPR device does not appear to be working correctly, or if there are problem with the device that cannot be immediately rectified, remove the device and RESUME MANUAL CPR.**

## Lucas® 3 Setup & Use

(see product manual for full instructions and troubleshooting)

1. Power on Lucas
  - a. Press **ON/OFF** to start self-test/power up.
2. Place the Backplate (*right top*):
  - a. The backplate should be centered on the nipple line and the top of the backplate should be located just below the patient's armpits.
3. Position the Upper Part
  - a. Pull the release rings to open the claw locks.
  - b. Attach to the back plate, listening for a "click".
  - c. Pull up slightly to ensure attachment.
4. Adjust the Height of the Compression Arm
  - a. Press **ADJUST MODE** (*orange button*)
  - b. Verify that the lower edge of the suction cup is immediately above the end of the sternum.
  - c. Push down the suction cup with two fingers onto the chest (do not compress the chest).
  - d. Press **PAUSE** to lock the cup in position.
5. Start Compressions
  - a. If not intubated, press the **ACTIVE 30:2** (*green/lower button*) to start compressions.
  - b. If the patient has an advanced airway (i.e. ETT or KingLT), press **ACTIVE (CONTINUOUS)** (*green/upper button*).
6. Pause/Rhythm Analysis
  - a. Press **PAUSE**.
  - b. If pulseless and once rhythm is determined, press the appropriate **ACTIVE** button to resume compressions.

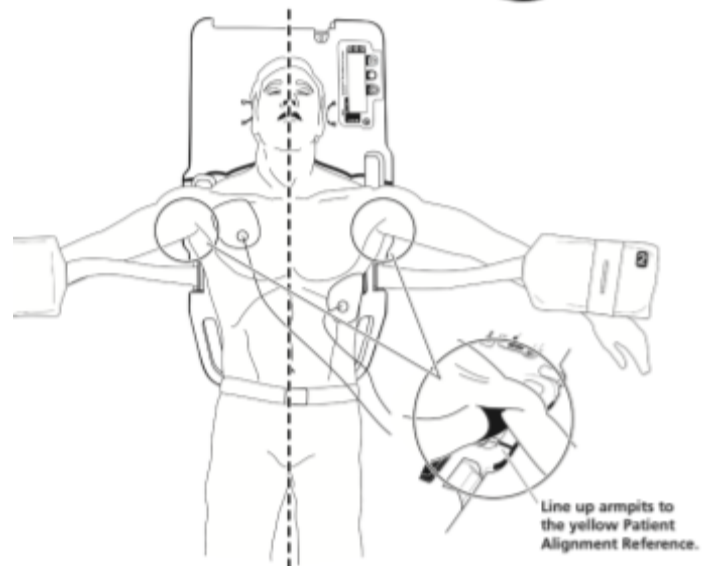
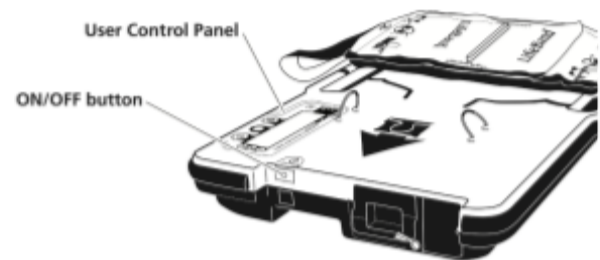


## AutoPulse® Setup & Use

(see product manual for full instructions and troubleshooting)

To begin:

1. Remove all clothing from the torso to ensure skin-to-platform contact, and place defibrillation pads if needed.
2. Press ON/OFF (on top edge of platform, *top right*) to turn device on.
3. Lift the patient, place the device beneath the torso, and align armpits onto yellow line on the platform (*middle right*).
4. Close the LifeBand around the patient's chest and secure the velcro fastener.
5. Press CONTINUE (green button, *bottom right*). The device should automatically adjust the bands to the patient's chest.
6. Press START (green button) to begin compressions, or the device should automatically begin compressions after a 3 second pause.



To pause/stop:

1. Press STOP (orange button).
2. Press RESTART (green button) to continue compressions.

