

## PIT CREW



The Pit Crew concept of resuscitation is intended to organize EMS responder's efforts most likely arriving at different times and from different agencies to rapidly and effectively prioritize and provide critical elements associated with successful resuscitation. By learning the possible roles an EMS responder may be requested to provide, the responder should be able to rapidly integrate themselves into a resuscitation.

What this Reference is **NOT**:

The Pit Crew concept is not intended to require that an EMS agency respond to every cardiac arrest with 5-6 EMS personnel.

Depending upon the design of the local EMS system and the resources available, a single individual may be the only responder initially available. However, if more resources are recruited to the scene, the understanding of these positions will help ensure their efficient integration into the resuscitation. Whether it is one, two, or more responders, the goal of this concept is to facilitate each responder's knowledge of what roles and priorities will increase the chances of a successful resuscitation.



**TEAM FOCUSED CPR PROTOCOL: A COORDINATED  
APPROACH TO CARDIAC ARREST**

- ✓ Begin continuous CPR compressions
- ✓ Push Hard (≥2 in.) Push Fast (> 100-120/min)
- ✓ Change compressors every 2 minutes
- ✓ (Limit changes/pulse checks ≤ 5 seconds)

**Position 1-Compressor**

- ✓ Assess responsiveness
- ✓ Initiate chest compressions if needed
- ✓ Alternate compressor with position 2

**Position 2-AED/Monitor**

- ✓ Applies AED or Manual Defibrillator
- ✓ Operates AED/Defibrillator as appropriate
- ✓ Applies 15 L O<sub>2</sub> via NRB
- ✓ Alternates chest compressions with position 1

**Position 3-Airway**

- ✓ Assembles and applies equipment for airway and ventilations
  - OPA, BVM, KING, etc.
- ✓ Ventilate at 8-10 breaths

**Position 4-Team Lead**

- ✓ May function as *team leader*
- ✓ Check off sheet
- ✓ Code timer

**ALS Integration**

- ✓ One Paramedic
  - Communicates/interfaces with providers performing CPR
  - Establishes IV/IO
  - Administers medications as appropriate
- ✓ Two Paramedics
  - Sets up and operates manual defibrillator
  - Advanced airway, if necessary and resources allow



**Position 4:**

- ✓ Timer
- ✓ Check-off sheet



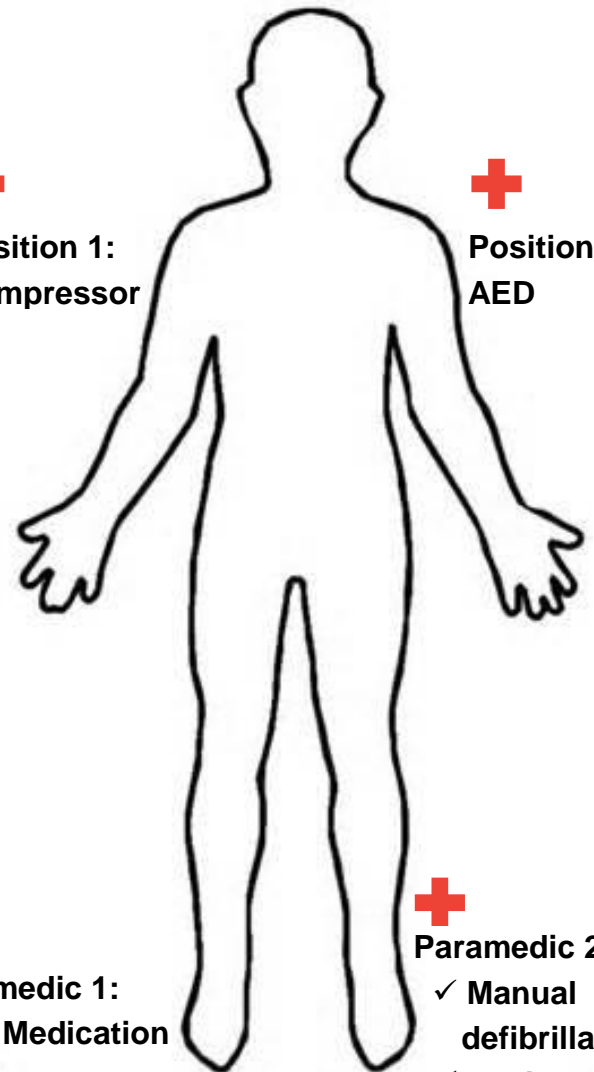
**Position 3:  
Ventilations**



**Position 1:  
Compressor**



**Position 2:  
AED**



**Paramedic 1:  
IV/IO Medication**



**Paramedic 2:  
Manual defibrillator  
Assist PM 1**