



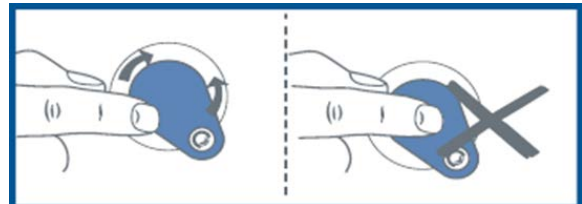
Medical Advisory

REVISED - Effective May 16, 2014

Zoll ECG / 12 Lead Troubleshooting Guide

General procedures for applying ECG Electrodes:

- Quickly dry and clean patient's skin (removal of perspiration, dead skin cells, oils, lotions, etc) by gently wiping the skin (with towel, gauze pads, etc).
- Do not use alcohol to prepare the patient's skin.
- Remove **excessive** hair from area of electrode application by shaving or clipping hair.
- Apply finger pressure to the adhesive around the edge of the electrode. DO NOT place pressure on the center of the electrode (if using wet gel electrodes provided by EMS supply).
- Ensure electrodes are stored in a closed pouch/package once opened since air will dry out the conductive gel.



If the Monitor displays a “Lead Fault” message or the ECG displays with a Solid Line (top or bottom of screen) or Artifact, perform the following steps:

- Ensure an available lead source is selected
- Ensure cable snaps and ECG electrodes are securely connected
- Ensure the main ECG cable is securely connected to the X-series
- If using a 12 lead cable, ensure the precordial lead cable is securely connected to the main ECG cable
- Quickly verify the cable integrity (no cuts, damaged connectors, tears in cable shielding, etc.). Replace cable if damaged
- Check electrode site selection as a possible source of artifact
- Minimize patient and cable movement to avoid artifact and wandering baseline



- If the above steps do not resolve the issue, replace all electrodes with new electrodes following the general procedures for ECG electrode application outlined above
- NOTE: it may take a short time for the electrode gel to bond to the patient's skin
- If none of the above resolves the problem so that a useable ECG/12 Lead ECG is available, replace the 4 lead/12 lead Cables
- If this fails, use the second/backup Zoll X-series monitor and repeat the process for Electrode application and Cable connection

In all cases the Transport Crew is responsible for collecting and securing all removed Zoll Pads, Packaging, Cables or failed Monitor and; completing all appropriate equipment/supplies failure documentation (EMS Facilities/Equipment Request form AND OMD CP-67)