

Introduction GE AMX 4 Plus

The AMX-4 Plus X-Ray unit is a completely self-contained battery driven, mobile radiographic system which operates from a rechargeable battery pack. Mobility and ease of use make the AMX-4 Plus ideally suited for all routine radiographic procedures, within intensive care units, cardiac care units, emergency and operating rooms, pediatrics, neonatal units, orthopedics, and clinics.

Credit: <http://1technation.com/shop-talk-december-2017/>

Spec sheet: <https://capmedplus.com/wp-content/uploads/2015/12/AMX20Plus20Specifications.pdf>

Problem Description

First off, we had to replace the batteries as they were due for replacement. After replacement, the portable started having a problem with the breaker tripping. Prior to reaching a full charge, the breaker would trip.

We calibrated the battery charger and now the charging meter does not reach full charge, stopping at two bars before it reaches full charge and the message never appears stating that the batteries have completely charged. We did the volt meter calibration before the battery charger calibration so I don't understand why this is happening. No matter how long we wait, the display never indicates that the batteries have completely charged.

We checked FIL/KVP and the input power to the charger board, connections to LVLE and CPU as well as battery voltage. Checked KHZ board connections and — +24 Volts, recalibrated the unit and it still does not reach charge complete status.

Correction Procedure

1. Begin with service switch in run mode (up position) and power on machine.
2. The boot sequence will begin, after 3 seconds flip service switch down for diagnostics mode
3. Use KVP buttons to scroll the option until you see diagnostics mode then press MAS down to enter.
4. The system will prompt you for password which is MAS up MAS down KVP down KVP up (in the formation of a backwards U).
5. Continue by using KVP buttons to scroll to the system diagnostics option and press MAS down to enter.
6. Use KVP buttons to scroll to loop test and press MAS down to accept. It will ask you for an address.
7. The address is ocb4 then press MAS down. (Enter numeric values by pressing KVP up and Alphabetical values by press KVP down.)
8. Press MAS up for HEX
9. Press KVP down for write and press MAS down to accept
10. Then, you will need to type FF and MAS down to begin the looping process
11. Once you see looping on display hit MAS down 3 times and use KVP to scroll to end service and follow instructions.

GE Healthcare AMX 4

