

11.2 Receiver Head Repair (Amplifier)

The following procedure outlines the receiver head component maintenance:

NOTE* Do not attempt this repair if unfamiliar with static sensitive components.

NOTE* Do not touch any part of the Amplifier PCB unless wearing latex gloves

1. Power-Off the AAU by removing the power cord from the APC Battery Backup. Follow your site “Lock-Out” procedure to ensure the power cord is not plugged back in until this procedure is completed.
2. Follow the procedure for Receiver Head Repair (Ion Chamber) section 11.1, to remove the ION Chamber Assembly.
3. Once the Ion Chamber Assembly has been removed, turn the unit over and set it on a clean flat work surface. Use a Phillips screwdriver to remove all eight (8) of the screws on the aluminum Amplifier Housing. (see figure 11.2.1)
4. ****Put on the LATEX gloves. Do Not Touch the components of the PCB with your bare hands.
5. Once the screws are removed, carefully slide the top of the Amplifier Housing away from the Ion Chamber Assembly to expose the Amplifier PCB.(see figure 11.2.2)
6. Using a 3/32” Allen wrench, remove the four screws that hold the bottom of the Amplifier Housing to the ION Chamber.
7. The Amplifier is held to the ION Chamber by a single wire. This wire is removed from the Ion Chamber by loosening the retainer nut. (see figure 11.2.3)
8. Reverse these steps to re-install the amplifier and ION Chamber Assembly.
9. Once the unit has passed a visual inspection, return power to the unit and follow the restart procedure.

