

"KEEP ALIVE" GOES IT ALONE

FINALLY!
AFTER **TWENTY-FOUR HOURS** OF GRUELING SURGERY, I HAVE SUCCESSFULLY REMOVED THE CREATURE'S HEAD!

ERR... MASTER... I SHOULD HAVE TOLD YOU... ALL YOU NEEDED TO DO WAS **REPLACE THE BATTERY.**



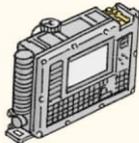
The keep alive battery (KAB), NSN 6130-01-324-2505, used in the forward entry device (FED) simplified handheld terminal unit (SHTU), can now be replaced without replacing the entire battery assembly.

YOU CAN REPLACE **JUST THE BATTERY**



Until now, replacement of the battery required removing and replacing the assembly, NSN 7021-01-342-9109.

Assembly, NSN 7021-01-342-9109



But the assembly is **no longer available.**

POOF!

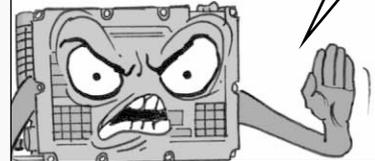


JUST REPLACING THE BATTERY REQUIRES A LITTLE **EXTRA WORK** ON YOUR PART, THOUGH. HERE'S HOW YOU DO IT...

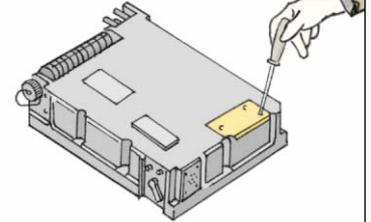


1. Leave the power running to the SHTU during KAB replacement. That way, you won't lose data stored in the RAM disk.

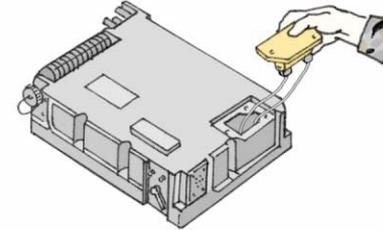
DON'T SHUT ME OFF!



2. Loosen the three screws holding the assembly to the SHTU using a cross-tip screwdriver.

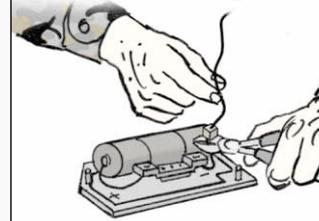


3. Lift the KAB up and carefully rotate it away from the SHTU to get to the battery leads.



4. Unplug both battery leads from the KAB assembly by pulling the connector end straight out from the KAB assembly jack. Don't pull on the wire or you could break the connection hidden under the shrink tubing.

5. With diagonal pliers, clip off the axial leads of the battery as close to the battery as possible.



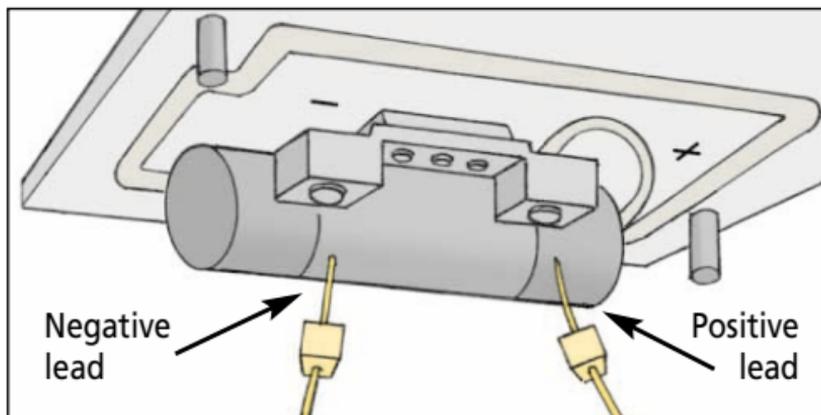
6. Depending upon the assembly you have, the battery may be held in place in one of two ways. Either a clip holds it, in which case you can remove the battery by pulling it out, or a clamp holds it, in which case you will need to remove the screw holding the clamp first.

7. Put in the new KAB with the positive end nearest the red jack on the assembly cover.

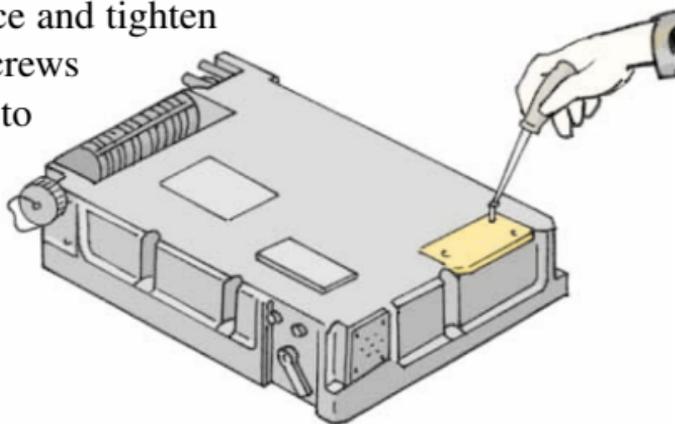
8. Position the solder tabs on the new battery so that they are parallel with the cover. If necessary, remove the plastic sleeves from the wire and trim it back to expose enough wire to do the solder job. Replace the plastic sleeves.

9. Hold the wire perpendicular to the solder tabs. Then solder the wire in place using 60/40 rosin core solder only. Cut off the excess.

10. Connect the positive lead to the red battery terminal and the negative lead to the black battery terminal.



11. Put the KAB assembly back in place and tighten down the screws to secure it to the SHTU.



SINCE YOU ARE WORKING WITH A LITHIUM-SULFUR DIOXIDE BATTERY, KEEP SAFETY IN MIND. THE GAS IS TOXIC AND THE BATTERY SHOULD BE HANDLED WITH CARE SO IT DOES NOT RUPTURE.