Procedure for Replacing the Battery in a TT-40

*** USE BATTERY TYPE BR2032 or equivilant ***

NOTE: Replacing the battery will cause all Meter data to be scrambled to unknown values. If you wish to retain this data in written form, follow the procedure in the TT-40 User's Manual to read out this data and record it for safe keeping. Tan Time will provide DOC40101, Tan Time TT-40 Installation Record to aid in this effort.

1. Turn off the TT-40.

2. Remove power cable and all cables to room units and computer.

3. Carefully remove the TT-40 from the wall mount and place on an open table.

4. If an Expansion Unit is attached to the TT-40, remove the top two screws on each end that hold the attachment brackets to the TT-40 and carefully extract the Expansion Unit from the TT-40 and set it aside.

5. Remove the two remaining screws in each end cap of the TT-40 if an Expansion Unit was removed in step 4. If not, then remove all 4 screws in each end cap of the TT-40 then remove the end caps, placing them aside, left one to the left and right one to the right. When they are reinstalled, then should be returned to their original positions.

6. Turn the TT-40 face down and remove the 6 screws holding the back plate on. Remove the back plate exposing the circuit board.

7. Looking from the back of the unit, with the Room Unit connectors and 9 pin Computer facing away from you, the battery is found near the upper left corner of the circuit board. Carefully remove the battery from the battery holder, taking care to not bend up the spring contact such that it is deformed. Lifting the battery slightly and slipping a thumbnail from the side near you and sliding around to the back should allow you to slide the battery towards you, out from under the clip.

8. The replacement battery has a plus "+" marked on one side. From the side of the battery holder nearest to you, slide the new battery into under battery clip with the "+" facing up.

9. Reinstall the back plate with the 6 screws you removed earlier.

10. Note that each end cap as a "mounting foot" molded into it. These mounting feet must face the back of the TT-40 when installed. Reinstall the end caps on their proper ends using the screws removed in steps 4 and 5, reinstalling the Expansion Unit if one was removed.

11. Reinstall the Unit, hooking up all cables.

12. As mentioned earlier, the meter data in the TT-40 Systtem is scrambled and must now be cleared and reset to factory values. The procedure for accomplishing this is found in the TT-40 User's manual, and summarized in Tan Time TT-40 Operational Characteristics, Note 1, (DOC40103). Use the recorded value "Hours Remaining =" for the new "Bulb Life Hours =" for each station when setting Room Parameters to continue monitoring of Bulb Life.

The Unit is now ready for operation.

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