



NC9008UP Upgrade Kit Installation Instructions

for NC9008 Master Stations

IL758
Section E
Rev. 1 - 05/2002

APPLICATION

To change NC9008 (5001-9008) Simplex Masters into TekTone® NC303 Masters, and to upgrade the software in specific NC9000 (5001-9000) series Central Equipment (CE) to be compatible with TekTone® NC303 masters.

This kit is only applicable for systems with CEs using software versions 1.94S, 3.04S, 4.04S or higher. To determine the software version of a CE, depress the **MENU** key on any master. The version number will be displayed in the menu box. For all other software version CEs, contact TekTone®'s factory for additional components and instructions.

The NC9008UP upgrade kit consists of a TekTone® membrane switch mounted to a black plastic tray, and three square PROM PLCC-type chips. The chips are labeled 1.96, 3.06 and 4.06. Choose the chip that contains the software appropriate to the CE being upgraded:

- Version 1.94S or higher CEs use the 1.96 chip.
- Version 3.04S or higher CEs use the 3.06 chip.
- Version 4.04S or higher CEs use the 4.06 chip.

GENERAL INSTRUCTIONS AND NOTES

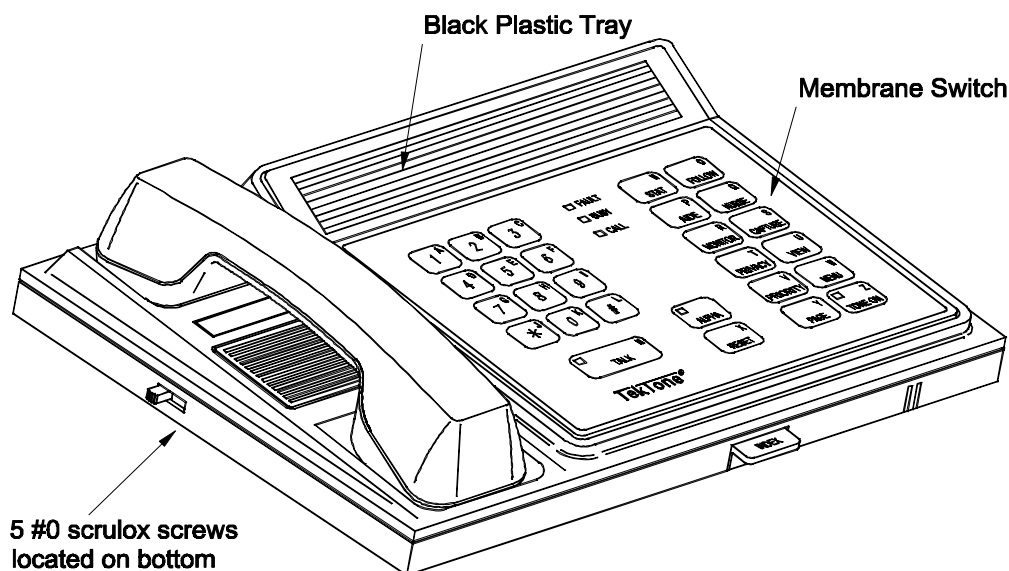
1. Read all instructions before proceeding.
2. Be certain that the Central Equipment has software version 1.94S, 3.04S, 4.04S or higher.
3. Take the necessary ESD precautions before proceeding. Use grounding straps and grounded ESD mats.
4. Turn all power to the system *off* before proceeding.
5. Tools required: PLCC chip remover, #0 scrulox driver, Philips screwdriver, slot screwdriver, grounding strap and ESD mat.

INSTALL NEW MEMBRANE SWITCH

Replace the membrane switch and tray on the NC9008 (5001-9008) master as follows, referring to *Figure 1*:

1. Locate and turn off the NC9000 (5001-9000) series Central Equipment (CE).
2. Unplug the NC9008 (5001-9008) master(s) from the wall outlet(s) (9-pin DIN connector).

Figure 1—NC9008 (5001-9008), NC303 Master Station



3. Unscrew the five #0 Sculox screws on the bottom of the master.
4. Gently unplug the pigtails that lead from the top half of the case to the circuit board. **NOTE: Observe the correct orientation of the pigtails.**
5. Press the five tabs on the black plastic tray inward to remove the existing tray and membrane switch.
6. Slide the new membrane switch and tray into place. Plug the pigtails onto the circuit board, and reassemble the master. **NOTE: Be sure to orient the pigtails correctly, and do not pinch the ribbon cable when reassembling the master.**
7. Plug the master back in at the same location.
8. Replace the TS138 PROM chip on the NC9000 CE as described in the next section.

INSTALL NEW SOFTWARE

Replace the TS138 PROM chip in the NC9000 (5001-9000) series Central Equipment (CE) as follows:

1. Make sure the CE is still powered off. Unplug the 120 VAC cord (CA038) from the CE.
2. Remove the 4 screws on the CE chassis cover, and then remove the cover.
3. Remove the video/PROM card: Remove the card's chassis mounting bolt, unplug the key switch connector, and then carefully unseat the card from the motherboard. (The video/PROM card is the longest card inside the CE.)
4. Referring to *Figure 2*, locate the TS138 PROM chip. Recheck its label for the software version (1.94S, 3.04S, 4.04S or higher). **NOTE: Observe the correct orientation of the TS138 PROM chip.**
5. Using a PLCC chip remover, carefully remove the TS138 PROM chip.
6. Insert the appropriate chip of the three that came with NC9008UP upgrade kit (1.96, 3.06 or 4.06 version PROM chip). **NOTE: Be sure to orient the new PROM chip correctly—the chip is keyed** (see *Figure 2*).
7. Reinsert the video/PROM card and replace its chassis mounting bolt. Plug in the key switch connector.
8. Verify that the card is seated properly.
9. Replace the CE chassis cover and its 4 screws.
10. Plug the 120 VAC cord (CA038) into the CE. Power up the CE.
11. Re-initialize the system to clear the older configuration: At any master, press the **MENU** key, and then 4 4 2 1.

**Figure 2—NC9000 (5001-9000) Central Equipment
Video/PROM Card with TS138 PROM Chip**

