

# Changing the EPROM in the Powermate™ 330

**CAUTION:** Save any data from the Powermate before changing the EPROM. Any data left in the unit will be lost when the new EPROM is initialized.

- 1) Remove the 8 screws from the top cover. Save the screws for later.
  - 2) Lift the top cover (keypanel) and disconnect the 2-pin connector from the PC board to allow the top cover to lay to the right side, upside down.
  - 3) Using a chip extractor or a flat-bladed screwdriver, carefully remove the old EPROM from its socket. Do not allow the metal of the extraction tool to short to the PC board (shorting pins of the chip is OK). Note that the EPROM is the 32 pin, 0.6" DIP located to the front of the PC board just to the right of center.
  - 4) Being careful to avoid static discharge, remove the new EPROM from its shipping container and insert it into the empty socket. **Be careful to align the pins and fully seat the IC.** Note that pin 1 (notch) of the EPROM is in the same direction as most chips on the PC board (ie, pin 1 is nearer the rear of the unit, pointing away from the user).
  - 5) Place the old EPROM in the shipping container for return.
  - 6) Lift the top cover and reconnect the 2-pin connector. Place the top cover back to its normal position, but do not replace the top screws yet.
  - 7) While **simultaneously holding** the HELP+CTRL+CLR keys, turn the unit ON. The unit should begin a periodic beep to signify memory reset is occurring. After hearing the beeps, release all keys and allow the unit to complete its power-up tests. If the screen is black, repeatedly press the F3 key until it is readable. If the screen is clear, repeatedly press the F2 key until it is readable. This may be necessary to reset the LCD contrast which is lost during an EPROM change.
- NOTE:** If the unit does not respond, verify the EPROM is properly inserted and that the top cover 2x14 pin connector is still attached.
- 8) Turn power OFF.
  - 9) Reinstall the 8 screws holding the top cover. Be careful not to over-tighten the screws or the top membrane will warp.
  - 10) Apply power. From the Main Menu, <F5> Setup Options, review and/or reset the desired operating options if different from factory defaults.