

Exchanging EPROM in a TWC 50/100/200



IMPORTANT FACTS:

1. **The TWC unit contains electronic boards. Before handling any electronics, ground yourself and tools to prevent static electricity buildup and possible damage to the electronics.**
2. **Lay program module on a flat surface and note EPROM orientation.**
3. **Remove existing EPROM and carefully install new EPROM into socket.**
4. **Power on and verify EPROM version.**
5. **Recommend recording EPROM information on outside of TWC controller.**

1. Power off TWC controller. Open cabinet exposing main circuit board. An open TWC controller is shown in the accompanying photograph on the left.
2. Locate the removable program module. Controller modules are located on right-side center of main circuit board. Remove bottom module by just unplugging. Remember to ground yourself before touching any electronics to prevent static electricity buildup and possible damage to controller's electronics. You can ground yourself by touching the controller's bare metal hinges.
3. Lay program module on a flat surface with EPROM (the larger chip) facing left and two smaller chips facing right. Note orientation of the EPROM—the chip's orientation "dimple" or "groove" points left. A TWC program module with EPROM is shown in the photograph on the left.
4. Use a thin flat head screwdriver to gently lift EPROM. Avoid touching program circuit board with screwdriver.
5. Install new EPROM with dimple/groove orientation mark to the left. Make sure the all pins are straight and aligned with the EPROM socket. Gently press EPROM into socket. Examine all EPROM pins for proper insertion into socket. Make sure that EPROM is inserted completely.
6. Plug in program module, close cover and power on unit. EPROM version will be displayed on the top line briefly after power on. It is recommend that this version number be recorded on the outside of the TWC box, preferably near the date code sticker (located on controller's bottom).