Radionics™

D9000/D7000 Control/Communicator Update Kit Instructions

1.0 Introduction.

This Update Kit has been provided to allow existing D9000/D7000 Control Communicators (D9412, D9112, D7412, D7212) to be updated with the latest firmware revision. This is accomplished by replacing the EPROM chip in the Control/Communicator with the microchip included in the Update Kit.

NOTE: This update kit is not compatible with the D9112B1 or D7212B1 Control/Communicators.

2.0 Requirements.

You will need a PLCC extraction tool for this procedure. This tool is not supplied with the update kit but may be purchased at Radio Shack (Part Number: 276-2101) or other electronic stores.

Do NOT use a screwdriver or any other prying device for this procedure. *Incorrectly removing or replacing the chip may damage the board. Radionics cannot be responsible for panels damaged as a result of incorrectly removing and installing the chips.*

## 3.0 Updating the Control/Communicator.

3.1 Before you begin.

Power down the control panel by disconnecting AC and battery power.

3.2 Remove the faceplate shield.

Press the "ears" of the standoffs in and simultaneously lift the faceplate shield up and away from the rest of the control panel.

The chip to be replaced is resting in a square socket near the center of the board. See the diagram below.

EPROM To Be Removed
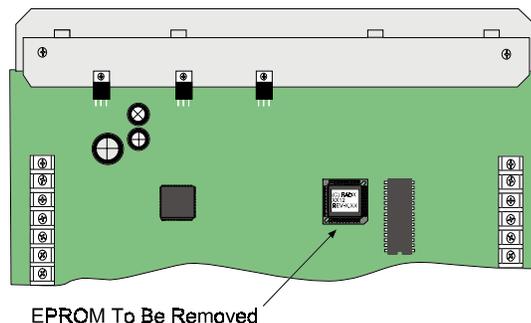
Notice that one corner of the chip and one corner of the socket have been filed flat, and there is a notch in the chip and a corresponding notch in the socket. When the new chip is inserted into the socket these indicators must line up.

3.3 Remove the chip.

Prior to removing the chip, touch terminal 10 on the panel to discharge any static electricity.

Place the tips of the PLCC extraction tool in the slots on diagonal corners of the socket. Then push the handles of the extractor in while gently lifting straight up. DO NOT rock the chip or pull one side up before the other as damage to the socket may occur. Discard the old chip.
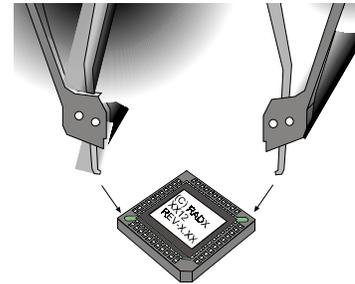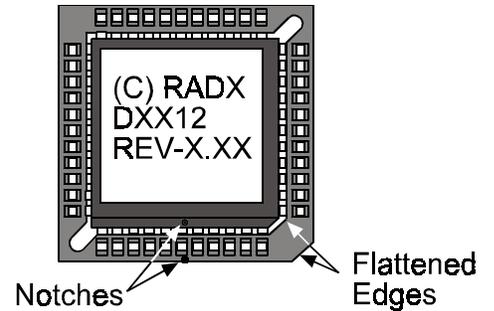
3.4 Installing the update chip.

Prior to handling the update chip, ensure that you are properly grounded and that static electricity has been minimized or eliminated.

Place the new chip over the socket, ensuring that the notch on the chip is lined up with the notch in the socket and that the flattened corner of the chip is lined up with the flattened corner of the socket. Once this has been determined, slowly push down on the chip making sure that it is fully seated. Again, do not rock the chip or allow one side do go in before the other.
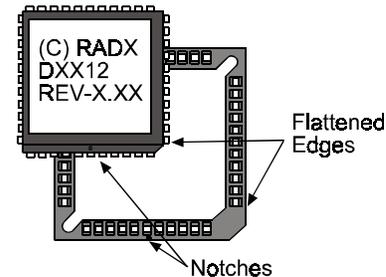
3.5 Finishing the installation.

Replace the panel faceplate shield and reconnect the panel to AC and battery power. Previously programmed information should still be present in the panel's memory; however, Radionics recommends that you perform a full system test after updating the firmware.

4.0 Additional information.

Further information on the setup and operation of the D9000/D7000 Series Control/Communicators is contained in the document titled *D9000/D7000 Series Control Communicators Operation and Installation Manual* (PN: 74-07692-000).

If you encounter any problems with the installation of this update kit, contact Technical Support at (800) 538-5807 Monday through Friday 5:00 a.m. to 5:00 p.m. Pacific Time.