

# Technical Service Note



Detection Systems, Inc., 130 Perinton Parkway  
Fairport, New York, USA 14450-9199  
(585) 223-4060 • (800) 289-0096 • Fax (585) 223-9180

Concerns: R12-EA120B-PKG ROM Kit

Affects: EA120B Alert Unit

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## 1.0 Introduction

The ROM Chip shipped in the EA120B Alert Unit is Version 2.xx and is compatible only with receivers and transmitters that operate at a radio frequency of 304.00 MHz. In order for the Alert Unit to be compatible with older systems, which run on a radio frequency of 303.825 MHz, the Chip in the Alert Unit must be exchanged with this ROM Chip.

ROM Chip Version	Compatible RF
2.xx	304.00 MHz
1.xx	303.825 MHz

**NOTE:** If you are not sure what radio frequency your system is using consult the specifications in the Receiver Installation Instructions.

## 2.0 Removing the ROM Chip from the EA120B

### 2.1 Disconnect Power from the Alert Unit

Ensure that the Alert Unit is not connected to AC, battery or Bus power.

### 2.2 Locate the ROM Chip to be Removed

See Figure 1 for the location of the ROM Chip to be removed. Note the end of the chip with the notch.

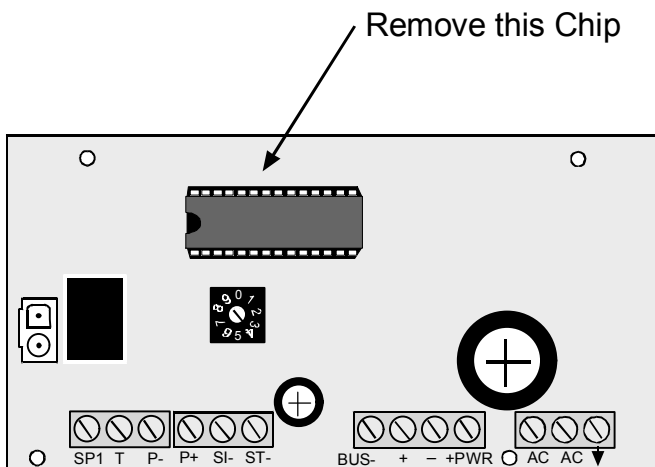


Figure 1: Location of ROM Chip

## 2.3 Remove the ROM Chip

Insert a flat-head screwdriver between the chip and the dip socket (see Figure 2). Slowly pry the chip away from the dip socket.

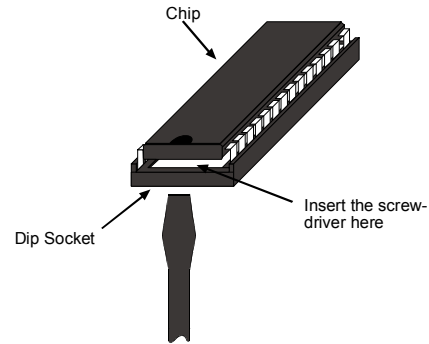


Figure 2: Removing the ROM Chip

## 3.0 Installing the Update Chip



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

The chip may be shipped with the connector pins opened wider than the holes in the dip socket. If so, the pins should be bent inward slightly before the chip is inserted into the dip socket (lay the chip on its side and roll it slightly to bend the pins inward).

Place the new chip over the dip socket, ensuring that the notch on the chip lines up with the notch on the dip socket (see Figure 3). Carefully examine each pin to determine that it is directly over its intended hole. Once this has been determined, slowly push down on the chip making sure that none of the pins bend.

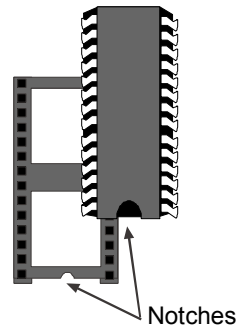


Figure 3: Inserting the New Chip

## 4.0 Finishing the Installation

Install the Alert Unit as instructed by the Alert Unit Installation Instructions and power up the unit.

Thoroughly test the EA120B Alert Unit to ensure the compatibility of the ROM Kit with the rest of the system. Testing should include Alert Unit tests by activating the unit from the central station.

