

# **EPROM Chip Upgrade**

**Installation  
Instructions  
for all  
AlphaVision Modular  
Display Systems**

Please read these instructions  
prior to installation.

**ADAPTIVE**<sup>TM</sup>

- Place the small screwdriver under the bottom of the chip and slowly move towards the top of the chip until the entire chip is away from the pin sockets. Then lift the chip up and out of the slot. See figure 4 below.

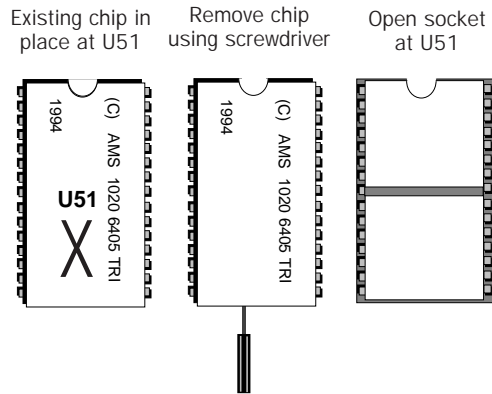


FIGURE 4.

### Replacing the EPROM Chip

- With the chip label facing up, align the notches at the top of the slot and EPROM chip. See figure 5 below.
- Carefully align the pins on the right side of the chip with the corresponding sockets at slot U51, right side.
- With the notches and right side aligned, gently push the pins on the left side in towards the chip. Make sure all the pins are aligned on both sides.
- Gently push the chip in towards the controller board until it is seated in the socket. Caution, make sure the pins do not bend under the chip when pushing in.

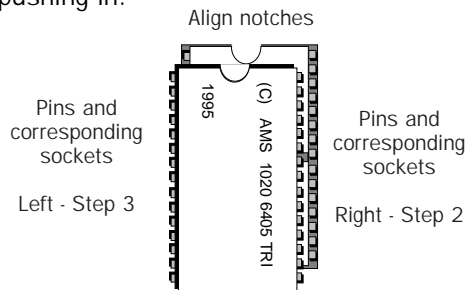


FIGURE 5.

### Required Tools/Equipment

The following items are needed to upgrade your EPROM chip:

- Phillips head screwdriver
- Needle nose pliers
- Small flat head screwdriver
- Safety glasses/goggles

### Locating the Current EPROM Chip

To replace the EPROM chip, the sign must be removed from its mounted surface and the back of the sign must be removed. Follow all instructions carefully.

- Disconnect the sign from its power source. Then remove the sign from the ceiling or wall mount system.
  - On a flat, level surface, place the sign on its feet with the back of the sign facing you. Note: the fan and power switch should be facing up. (See Figure 1. below.)
  - As applicable, remove the following from the back of your sign.
    - Six small screws each located along the top and bottom, (12 screws total).
    - Spring clips located along the edges of the back panel. (Use needle nose pliers to remove.)  
Wear safety glasses/goggles when removing clips.
- Note: Some signs do not have small screws or spring clips.

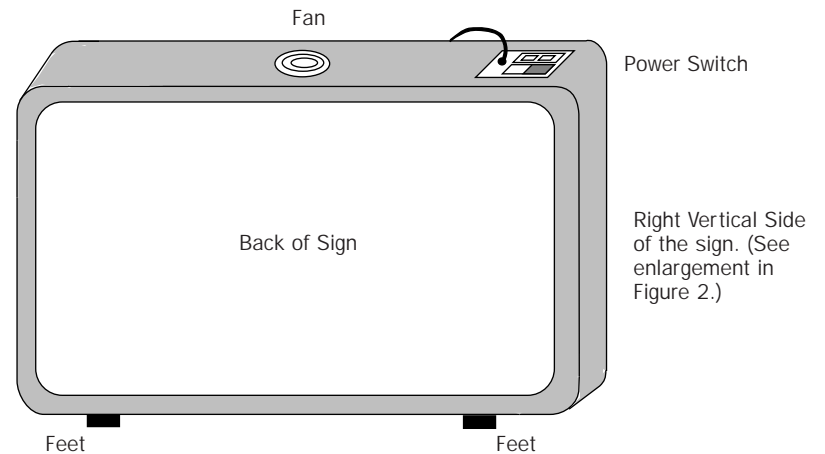


FIGURE 1.

- On the vertical right side of the sign (see figure 1, previous page and 2, below), remove the 6 Phillips pan head screws (round) from the top and bottom of the casing. Then remove the 6 Phillips flat head screws located at the top and bottom of the middle section. DO NOT REMOVE the remaining 6 screws located at the top and bottom of the casing.
- With the screws removed, lift the side casing up from the bottom (away from the sign). Then slide it towards the top of the sign until it is completely removed.
- Facing the back of the sign, carefully slide the back panel along its grooves to the right until the controller board is exposed. The controller board is located in the mid to lower left corner of the sign. (See figure 3, next page.)

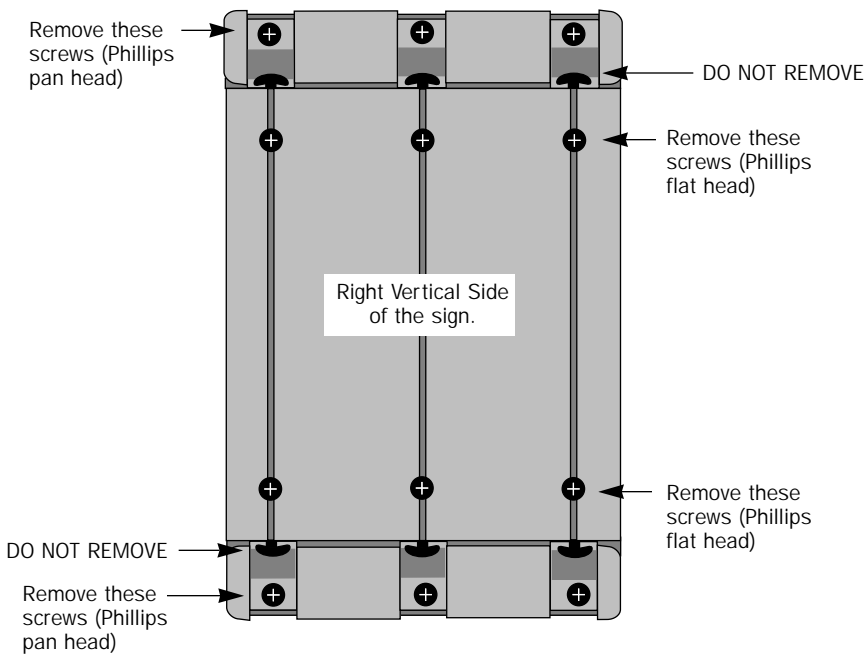


FIGURE 2.

## Removing the Existing EPROM Chip

- Before removing the EPROM chip from the unit, touch a grounded surface such as the inside of the case. This will dissipate potentially damaging static electricity. Note: Remember to repeat this if you get interrupted before you remove the EPROM chip.
- Locate component U51 on the controller board. Slot U51 is marked with an X in figure 3 below and figure 4 on the next page.

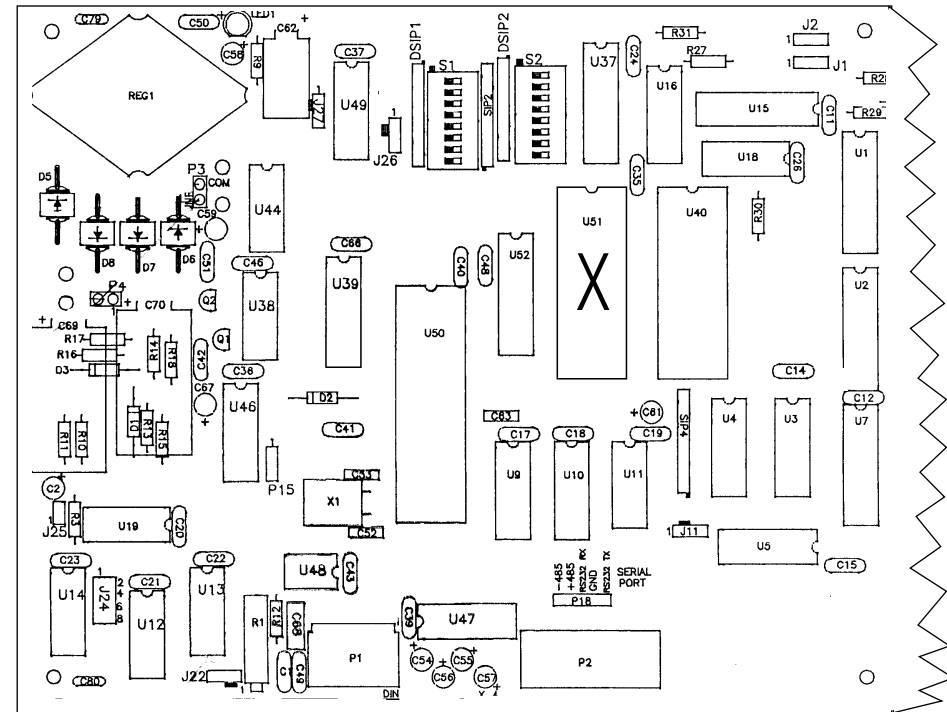


FIGURE 3.

## Reassembling the Case

1. Re-install the back panel by placing it in the grooves of the casing. Make sure the left vertical portion of the panel is securely placed in the groove at the left bottom of the case.
2. Align the front lens and back panel grooves with the side panel. Then, with the recessed side facing in, gently push the panel in until it is evenly seated at both the top and bottom of the unit.
3. Re-install all 12 screws in their respective holes. Alternate screw installation from top to bottom and hand tighten. **DO NOT USE POWER TOOLS.** Note: Install flat head screws in the middle portion of the side panel. Install pan head screws (round) at the top and bottom of the casing.
4. As applicable, re-install the following on the back of the sign.
  - Six small screws located along the top and bottom.
  - Spring clips located along the edges of the back panel.  
Wear safety glasses/goggles when re-installing clips.Note: Some signs do not have small screws or spring clips.
5. Reconnect power to the unit and send a test message.
6. If the unit is fully operational, return it to its original mounting position.

If you have additional questions, contact your sales representative.