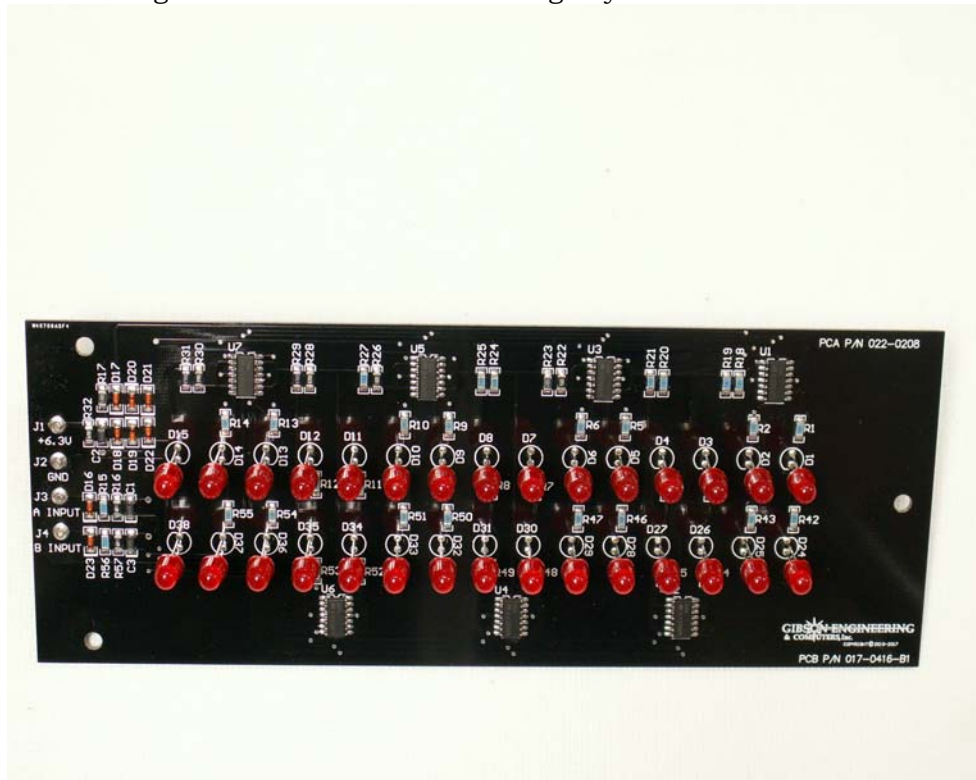


## SAE Mark 2400L LED Display PCA Replacement AS-022-0208-000

### Installation Instructions

This kit contains one (1) LED Output Display module part number AS-022-0208-000. This kit is specific to the audio amplifier listed above. The LED PCA module is a direct replacement part. The new LED PCA module does not require any modifications to the existing design and if desired can be removed, the old components reinstalled, and the amplifier returned back to its original condition without altering any historical value.



Read all installation instructions before attempting actual installation(s). For the best results, a qualified electronic technician should perform this kit installation.

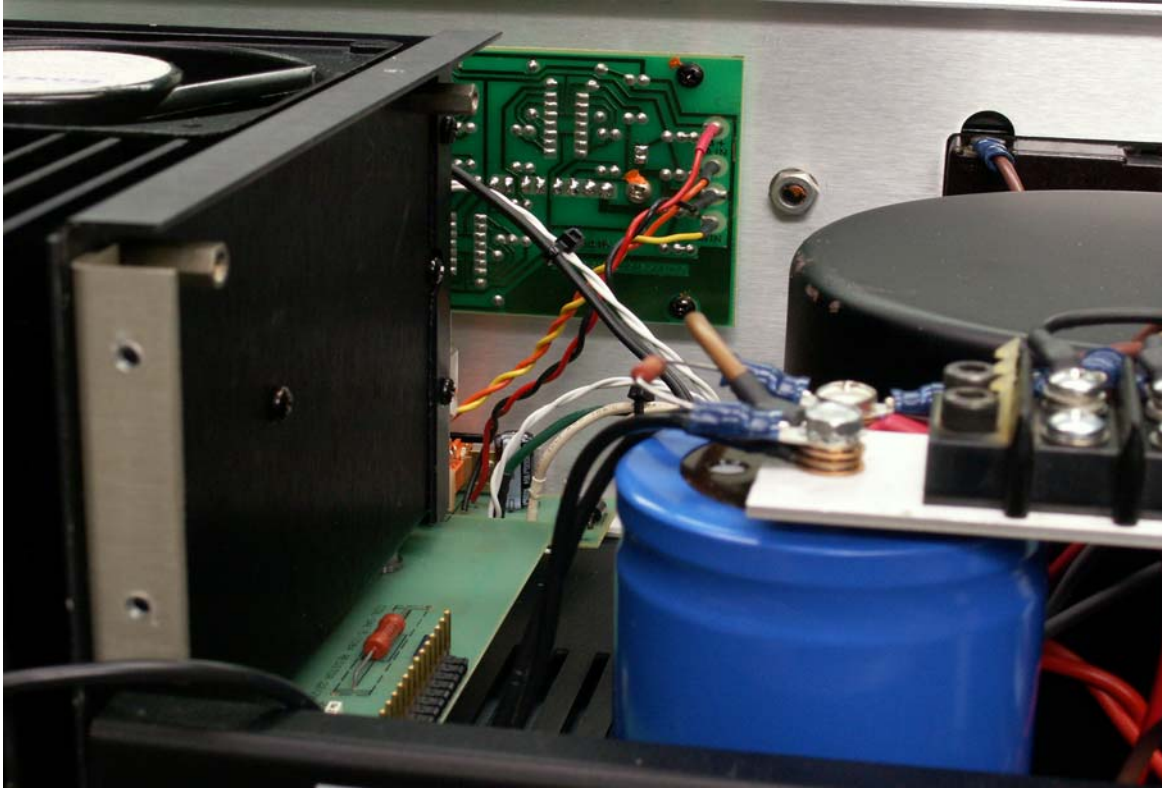
Basic Tools Required:  
#2 Phillips Screw Driver  
Tweezers or Small Needle Nose Pliers

Note To Technician(s):  
At the time of the writing of this document, no changes in audio quality or performance have been noted with the installation of this PCA.

# SAE Mark 2400L LED Display PCA Replacement AS-022-0208-000

## Installation Instructions

(continued)



### Step 1:

Remove all external connections to the amplifier and place in a location where the work is to be performed. Remove the side covers and the top cover. There several screws so take your time. Remove the Original LED Display PCA by removing the four wires first and then the three 6-32 Phillips head mounting screws.

#### Warning!!!

#### Wire Damage Possible

If the wires are very hard to remove, hold the back of the female pin with needle-nose pliers then use a soldering iron to gently heat the connector to release the cement holding it in place. Gently pull the female pin/wire from the male pin. There is no need to remove the male pin from the original PCA.

Note: Mark/identify each of the four (4) wires with the PCA location. The following is the list of wires in order from top to bottom connection.

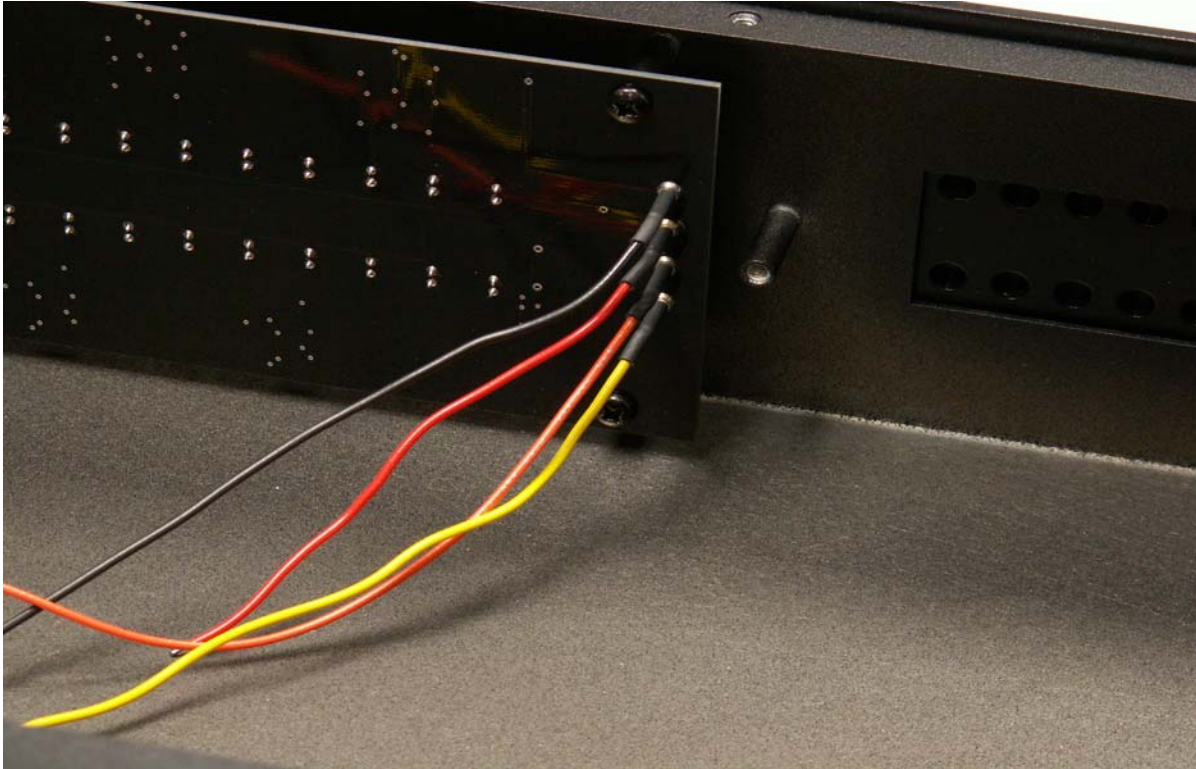
- B+ is the Red wire
- A IN is the Orange wire
- Un-marked is the Black wire (Ground)
- B IN is the Yellow wire

Remove the original PCA from the chassis by sliding it back, up, and out of the unit. If you don't have enough room to get the PCA out, loosen the remaining screws on the bottom side holding the front panel in place. This will let the front panel tilt forward enough for the PCA to clear the chassis.

# SAE Mark 2400L LED Display PCA Replacement AS-022-0208-000

## Installation Instructions

(continued)



### Step 2:

Install the New LED Display PCA by putting the PCA in the chassis. The mounting holes and the connectors should be in the same place as the original PCA. Make sure that all the LEDs are in the proper position and are visible through the front panel. If an LED is out of alignment, carefully adjust the leads to allow the LED to move into place. Then, reinstall the three 6-32 Phillips head mounting screws. If the front panel is loose, tighten the mounting screws on the bottom of the chassis.

### Warning!!!

### PCA Damage Possible

The wire positions are slightly different on the new board. The Ground wire and A IN positions are swapped from the original PCA.

Note: The marked four (4) wires with the PCA location are now ready to be gently pushed into place. The following is the new list of wires in order from top to bottom connection.

- B+ is the Red wire J1
- GND Black wire (Ground) J2
- A IN is the Orange wire J3
- B IN is the Yellow wire J4

Once the wires have been reconnected, verify the proper connections with the previous illustration.

# **SAE Mark 2400L LED Display PCA Replacement AS-022-0208-000**

## **Installation Instructions**

(continued)

### **Step 3:**

Before replacing the covers, Power up the amplifier and verify proper operation. The first LED in each row will illuminate for a power on/ready condition. This should take less than 5 seconds. If the LED does not light, recheck your power plug and the wire connections to the display PCA.

Once proper installation and operation have been verified, the amplifier covers should be replaced. The amplifier can now be returned to service.

The LED display should function normally as the original PCA when the unit was first manufactured.

Thank you for purchasing a Gibson Engineering product. Watch for other future adaptation kits to this popular amplifier.

Please feel free to contact us if you have questions or special requests concerning this LED Display PCA.

**Disclaimers and Warranty:** At the time of the writing of this document, no changes in audio quality or performance have been noted with the installation of this LED Display replacement. This kit should not be used as a means to avoid proper repairs. This product is a semiconductor component/device intended for professional installation/use and is warranted as such to be free from defects at the time of manufacture for the intended purpose of use. No other warranties are granted or implied.

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This product assembled and manufactured in the U.S.A.  
Updated September 28, 2020 Revision 00