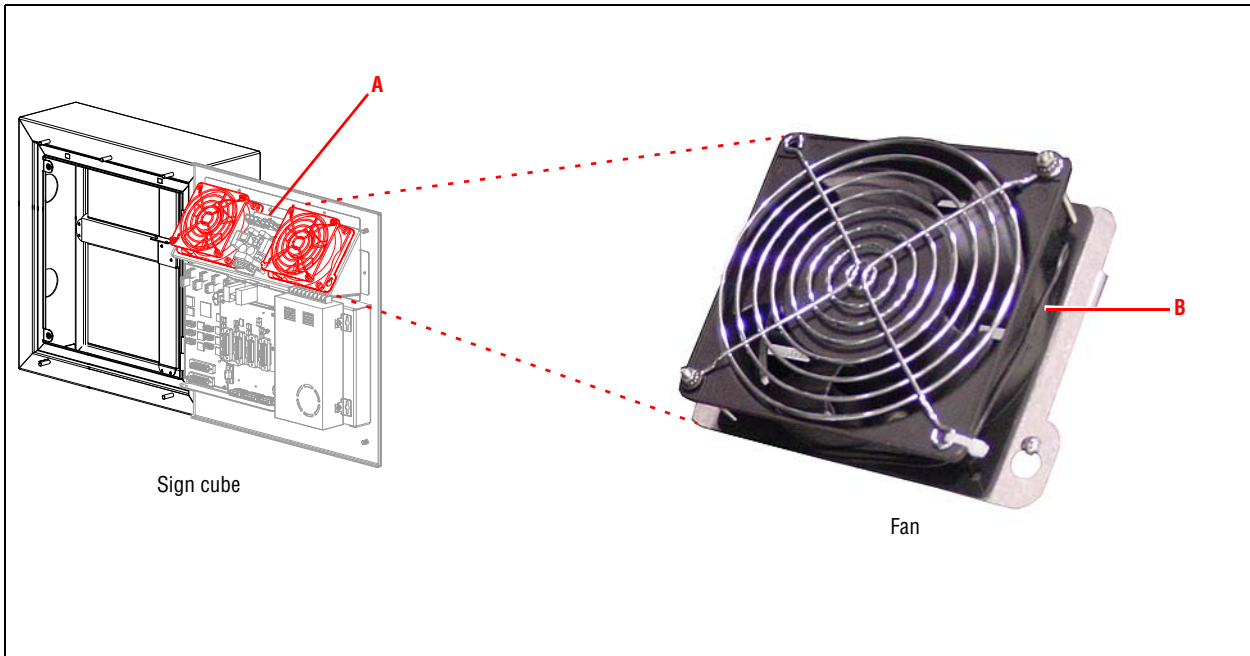



240V Fan (pn 1180-9039SP)

1.1 Description

In each sign cube there are two fans which ventilate the cube. Both fans are connected to the AC distribution board which is located between the two fans. A momentary switch on the AC distribution board allows the fans to be tested.




Item	PCB Label	Description
A	—	AC distribution board: 
B	—	Power cord.

1.2 Installation

1

Remove power from the sign.



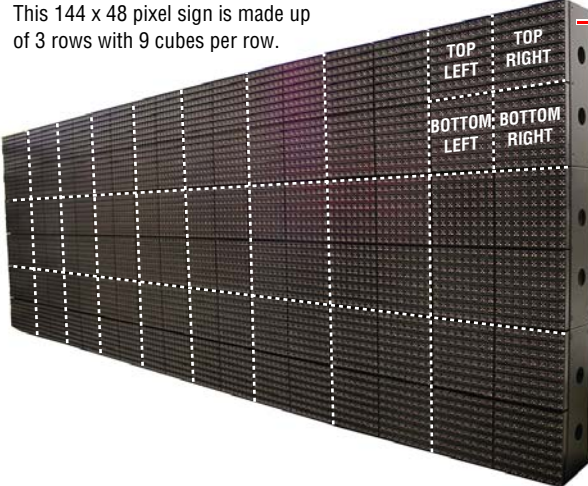
⚠ WARNING

Hazardous voltage. Contact with high voltage may cause death or serious injury. Always disconnect power to unit prior to servicing. SM1000A

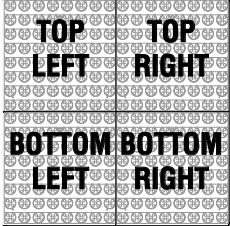
2

Locate the cube that contains the fan(s) which will be replaced.

This 144 x 48 pixel sign is made up of 3 rows with 9 cubes per row.



Each cube has 4 LED boards, named as shown:




FRONT VIEW

LED driver board names


3

To access the fan(s), open the back of the cube:



To open the back of a cube:

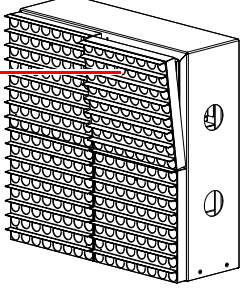
- Use a 5/32-inch hex tool to loosen each of the two door screws.



If it is not possible to open the back of the cube, remove the top left and the top right LED driver boards from the front of the cube:

To remove an LED driver board:

- Insert a 5/32-inch hex tool into the latch at the upper center of each board.
- Turn the hex tool counterclockwise.
- Lift the board up and then pull it back.
- Remove the data and power connectors from the back of the LED driver board.



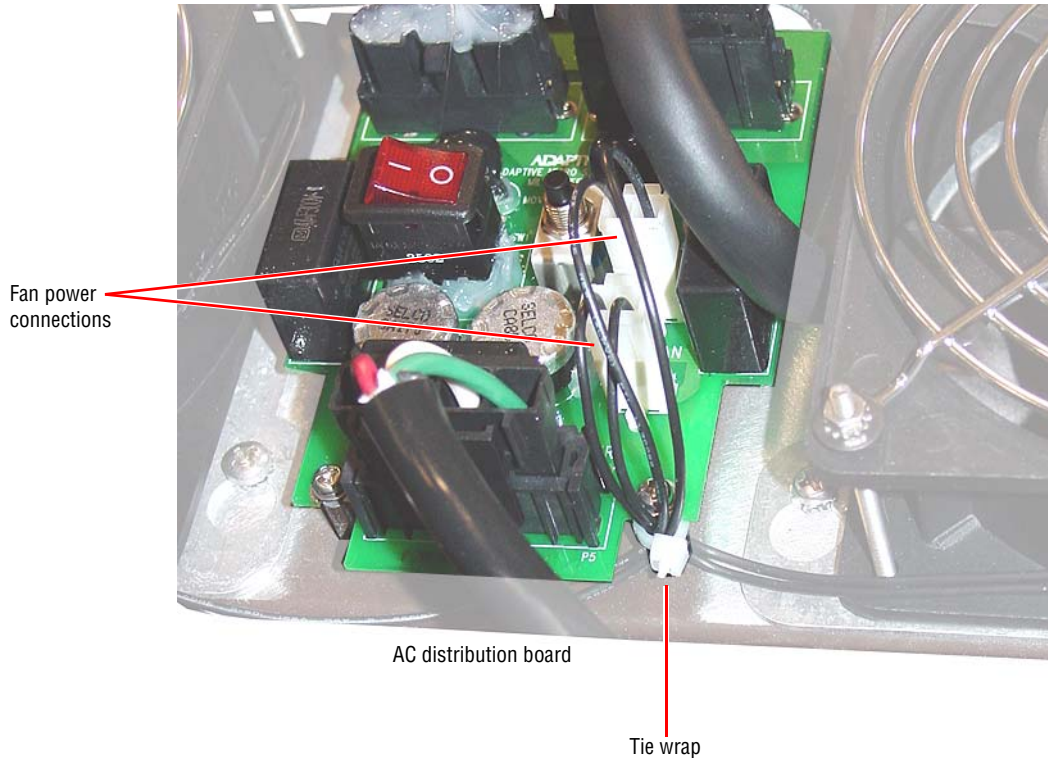
NOTE: Each LED driver board must be put back in its *original* location. *LED driver boards are not interchangeable.*

2

240V Fan (pn 1180-9039 SP) — Installation

4 Disconnect the fan from the AC distribution board.

- Disconnect the fan power connection.
- Remove the tie wrap that holds the fan power wires to the AC distribution board.



5 Loosen, but do *not* remove, the two screws (circled below) on each fan. Push the fan up and lift it from the sign.

The other screw located on the other side of the fan.



6 Place each replacement fan over the two screws and pull the fan down. Then tighten each screw.

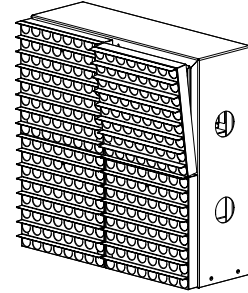
7 Reattach the fan(s) power connection to the AC distribution board.

8**If you opened the back of the sign, close the door and tighten each latch.****If you removed LED driver boards, reattach each driver board:**

To reattach an LED driver board:

NOTE: *Remember to put the each LED driver board back where it was originally.*

- Place the bottom of the LED driver board in the cube opening so that the board can swing freely.
- Reattach the data and power cables.
- Press down on the LED driver board and swing the board up into the cube until it snaps in place.
- Insert a 5/32-inch hex tool into the latch at the upper center of the board.
- Turn the hex tool clockwise.

**9****Apply power to the sign.**

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Adaptive Micro Systems LLC



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Due to continuing product innovation, specifications in this manual are subject to change without notice.

January 5, 2004

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