



PRIORITY:	Urgent
DATE:	June 8, 2006
TITLE:	Boss Repair Kit Instructions
ECO REFERENCE:	n/a
PRODUCT(S) AFFECTED:	AlphaEclipse StreetSmart 17X and 35X Signs
SUMMARY:	The Boss Repair Kit (pn 1179201701) applies to StreetSmart 17mm and 35mm signs manufactured prior to 6/6/2006. Cracking may occur on louvers in some driver boards, potentially resulting in loose driver boards and possible water damage. These instructions explain how to inspect signs for cracking and how to install the new screws, washers, and retainer clips.

Continued on next page.

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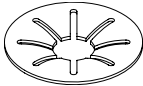
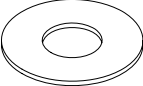

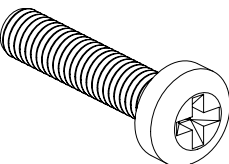
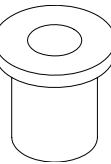
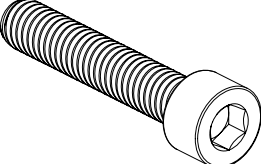
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The distinctive trade dress of this product is a trademark claimed by Adaptive Micro Systems LLC.

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

Kit contents

Part #	Quantity	Picture	Description
61710012	8		Retainer clip
61820038	8		Shim washer
61812920	6		Shoulder washer (for driver board screw)
61211014	6		Phillips Screw (for driver board)
61812921	2		Shoulder washer (for door screw)
61211013	2		Hex screw (for door)

Tools needed

- 5/32 hex tool (pn 68117076)
- #2 Phillips screwdriver
- Pliers
- Side-cutting pliers (optional)



This equipment contains components that may be damaged by “static electricity”, or electrostatic discharge. To prevent this from happening, be sure to follow the guidelines in Adaptive Tech Memo 00-0005, “*Preventing Electrostatic Discharge (ESD) Damage,*” available on our Web site at <http://www.adaptivedisplays.com>.

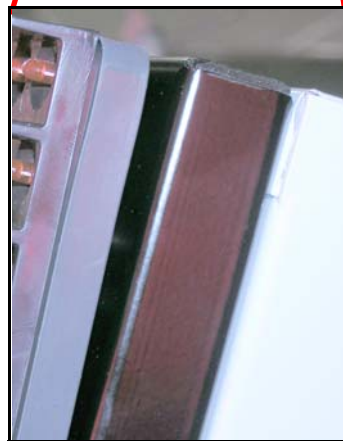
Inspect driver boards

1

Gently pull each driver board and observe for gaps:



Properly functioning driver board.
No gap is visible.



Important

Make sure you pull very **gently** to avoid flexing the plastic. If there are any gaps, you will be able to observe them immediately.

If you observe a gap between the driver board and the door, then follow the “Kit installation instructions” on page 4 to replace **all** the screws, retainers and washers on the driver board.

You can also feel whether the board pulls away from the door while you pull on it.

2

Inspect all driver board louvers on both sign faces.



Inspect the whole louver including the base. Look for cracks and chips.

If there are any cracks and chips, then follow the “Kit installation instructions” on page 4 to replace **all** the screws, retainers and washers on the driver board.

Kit installation instructions

1

Remove power from the sign.

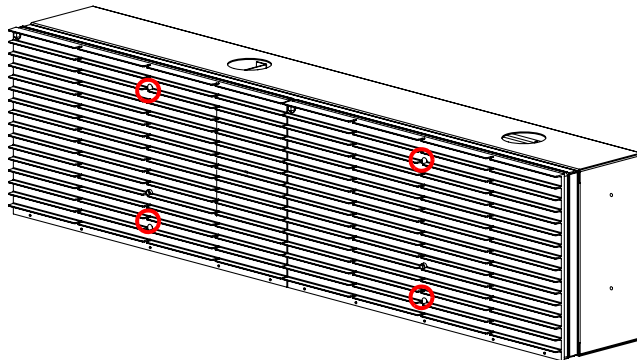


WARNING

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

2

Locate the section with the screws to replace. Open section door:



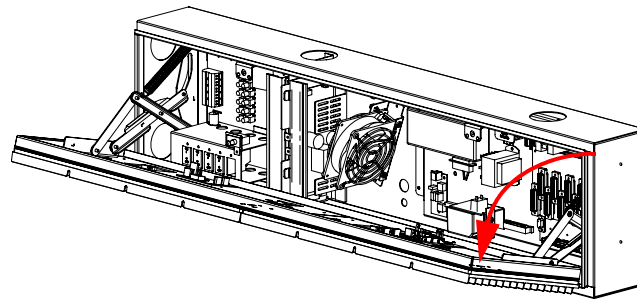
To open the section door:

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

NOTE: Screw counts may vary.



Hex tool
pn 68117076

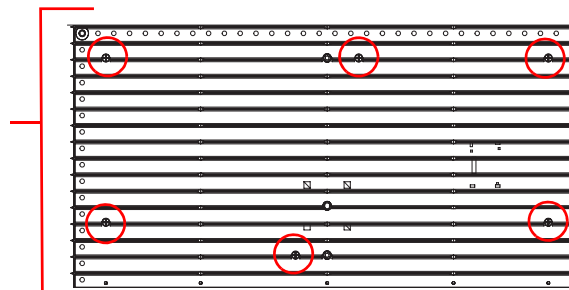


- Gently pull the door towards you.

3

Loosen the screws (circled below) from the display board.

Use a #2 Phillips to remove these screws.



4

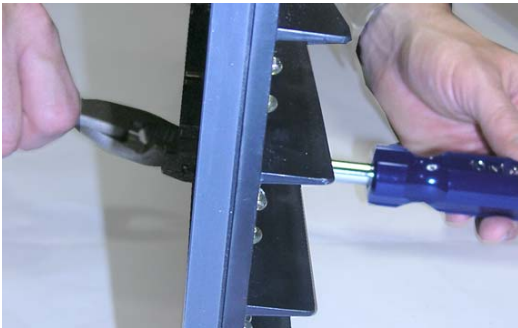
Gently pull out the display board.

5

Remove the screws, washers, and retainer clips from the display board.



- Hold the retainer clip in place with pliers.



- Remove the screw with a phillips screwdriver.

NOTE: Screws may go right through the louvers. This is normal and will not happen with the new screws, washers, and retainer clips.

Alternate method of removing the retainer clip:



- Use side-cutting pliers to snip each side of the retainer clip.
- The washer and screw will come right out.

6

Insert new screws, washers, and retainers:



- From the front of the driver board, insert the shoulder washer and driver board screw.



- On the other side of the driver board, slide the shim washer onto the screw.



- Push the retainer clip onto the screw and press it as close to the display board as possible.



Only some of the louvers are cracked. What do I do?

Continue installing the new screws, washers, and retainer clips on the driver board. To prevent further damage to the driver board, **all** of the driver board screws, washers, and retainer clips must be replaced.

7

Push the display board toward the sign and tighten the phillips screws until they are snug (specification is 15 lb-in).

DO NOT OVERTIGHTEN SCREWS.

To prevent over-tightened fasteners, do not tighten screws with cordless drivers.

8

Close the sign door.

9

Insert the new hex screws and tighten them until they are snug (specification is 15 lb-in).

10

Apply power to the sign.