

PRIORITY: Normal

DATE: July 9, 2007

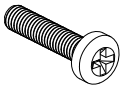
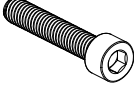
TITLE: Boss Repair Kit with Spacers Instructions

ECO REFERENCE: 11266

PRODUCT(S) AFFECTED: AlphaEclipse StreetSmart 17X and 35X Signs

SUMMARY: The Boss Repair Kit (pn 1179201702) applies to StreetSmart 17mm and 35mm signs. These instructions explain how to inspect signs for cracking and how to install the new screws, washers, retainer clips, grommets, and spacers.

Contents of the Boss Repair Kit

Part #	Qty	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)
1179050201	4		Grommet
1179050301	2		Spacer

Tools Needed

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

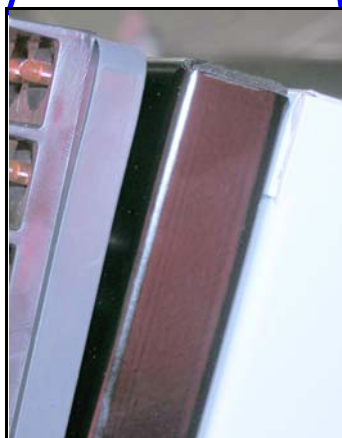
Inspect driver boards

1

Gently pull each driver board and observe for gaps:



Properly functioning driver board.
No gap is visible.



NOTE:

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.

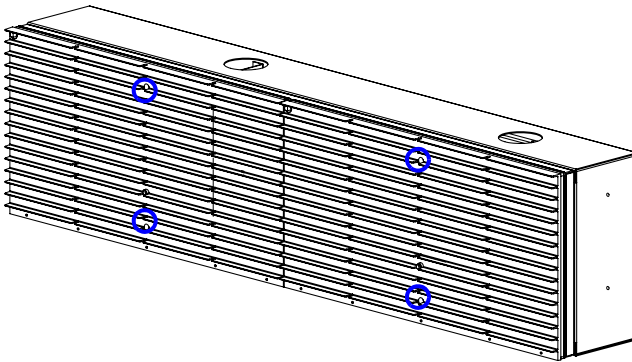
Installation instructions

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

Notice: 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>.

1 Remove power from the sign.

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



To open the section door:

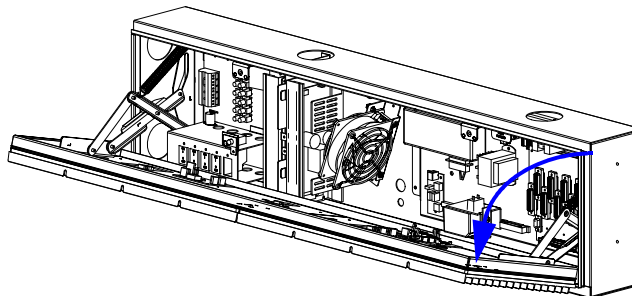
- Use a 5/32-inch hex tool to loosen each of the door screws.

Note: Screw counts may vary.



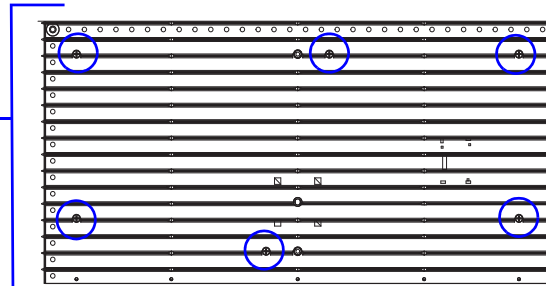
Hex tool
pn 68117076

- Gently pull the door towards you.



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

Use a #2 Phillips to remove these screws.



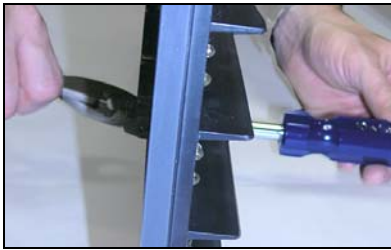
4 Gently pull out the display board.

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.

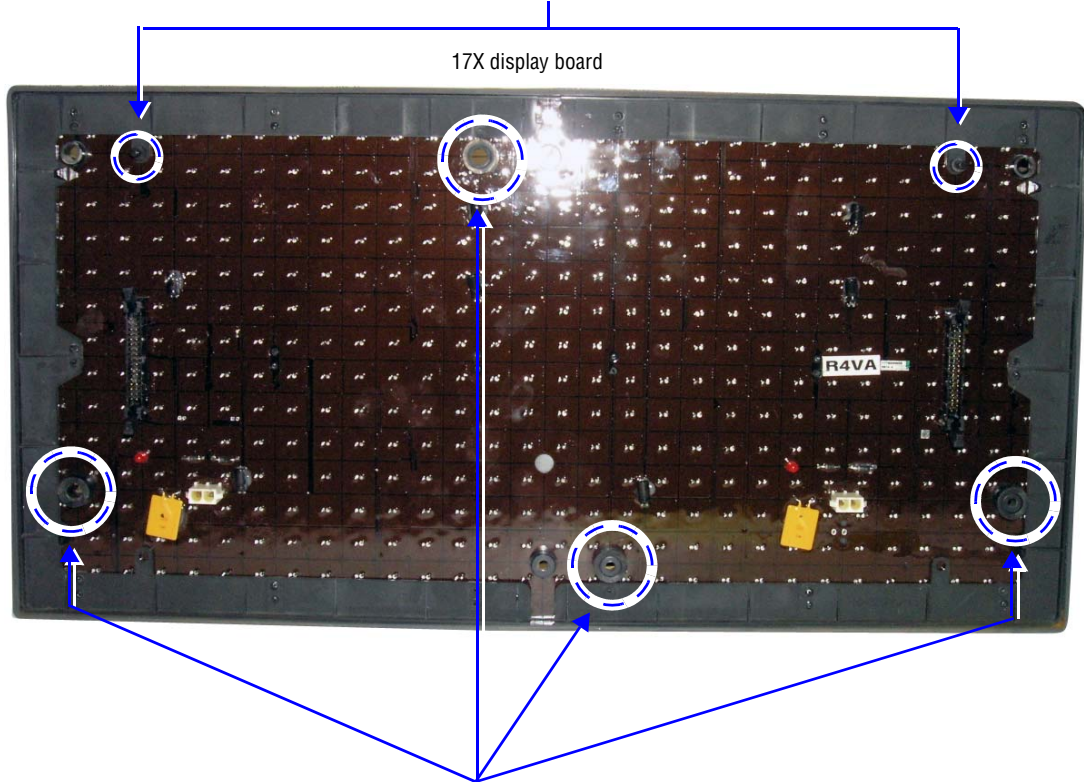
Alternate method of removing the retainer clip:



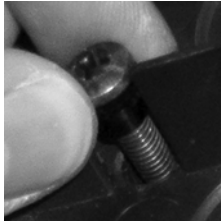
- Use side-cutting pliers to snip each side of the retainer clip.
- The washer and screw will come right out.

6**Affix grommets and spacers:**

Affix the two spacers over these louvers until they are flush with the driver board.
The spacers are the small rubber pieces.



Affix all four grommets over these louvers
until they are flush with the driver board.

7**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).**

Notice: DO NOT OVERTIGHTEN SCREWS. To prevent over-tightened fasteners, do not tighten screws with cordless drivers.

8**Close the sign door and insert the new hex screws and tighten them until they are snug (specification is 15 lb-in).****9****Apply power to the sign.**