




PRIORITY:	Normal
DATE:	February 18, 2005
TITLE:	AlphaEclipse Sign Cable Cleaning
ECO REFERENCE:	n/a
PRODUCT(S) AFFECTED:	AlphaEclipse 2500, 2600, Series B 3500, and 3600 signs (for AlphaEclipse Series A 3500 signs, see TechMemo #02-0002)
SUMMARY:	The purpose of this document is to explain how to clean and protect data cables on AlphaEclipse signs. Generally, data cables are used on LED driver boards and controller boards.

Related documentation

The following documentation is available on Adaptive's web site (www.adaptivedisplays.com/manuals):

Part #	Title
9711-6024	AlphaEclipse 2500/2600/3500 Sign Installation Manual
9711-6019	AlphaEclipse 3500 Series B Service Manual
9711-8009	AlphaEclipse 3600 Service Manual

Required material

Part #	Picture	Description	AlphaEclipse sign model			
			2500	2600	3500	3600
6811-7076		AlphaEclipse 3600 latch key. (This key was also used on early AlphaEclipse 2500/2600 signs.)				X





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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.

Part #	Picture	Description	AlphaEclipse sign model			
			2500	2600	3500	3600
6811-6061		AlphaEclipse 3500 latch key			X	
6811-7149		AlphaEclipse 2500/2600 latch key (On early models of these signs, the 6811-7076 key was used.)	X	X		
1160-9038		DeoxIT contact cleaner (see NOTE 1 below)	X	X	X	X
		CaiLube L260 grease syringe (see NOTE 2 below)	X	X	X	X
		Tips for CaiLube L260 grease syringe	X	X	X	X
		MSDS instruction sheets	X	X	X	X

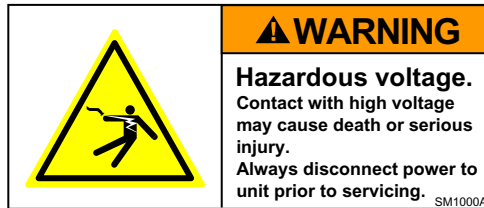
NOTES:

(1) DeoxIT is a cleaner used for improving the flow of electricity on metal surfaces. It deoxidizes, seals, and protects connections. For an alternative to the Adaptive-supplied product, use DeoxIT D5 D5S-6, which is a spray product available from CAIG Laboratories (www.caig.com).

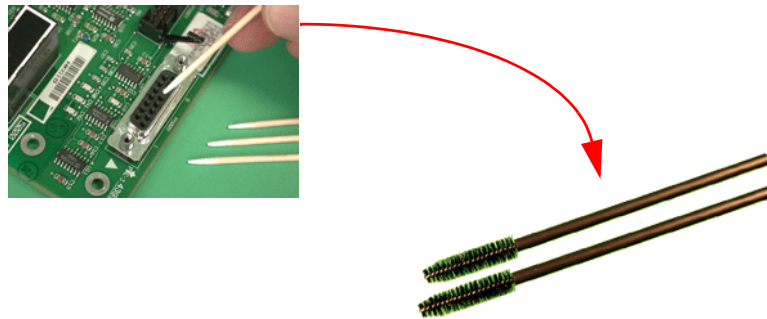
(2) CaiLube L260 is a lithium-based grease used for protecting electrical connections from galvanic action and corrosion. For an alternative to the Adaptive-supplied product, use CaiLube L250Np, which is a product available from CAIG Laboratories (www.caig.com).

Cable cleaning

1. Remove power from the sign.



2. To access a sign's internal cables, open the sign using the appropriate latch key (see "Required material" on page 1). For instructions on opening a sign, see one of the following:
 - **AlphaEclipse 2500/2600/3500 Sign Installation Manual** (pn 9711-6024)
 - **AlphaEclipse 3600 Sign Service Manual** (pn 9711-8009)
3. Remove both ends of the cable(s) to be cleaned.
4. Clean the each cable's metal contact surfaces with DeoxIT:
 - Apply product. For female connectors (DB9, DB25, and so on), it might be necessary to use a swab or brush to thoroughly clean the connector (see below):



Small cleaning brushes are available from Caig Laboratories (www.caig.com).

- Wait 2 minutes.
 - If possible, wipe with a clean lint-free cloth. If this is not possible or practical, either use canned air to blow away the excess DeoxIT or allow sufficient time for the excess to evaporate.
 - Repeat this process until the cloth comes out clean.
5. Apply CaiLube grease on each cable's male connectors. To protect the female connector, apply grease to the male connector that attaches to the female cable end.
 6. Reattach the cable(s).
 7. Close the sign.
 8. Apply power to the sign.

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