



## From MBA USA

**A newsletter for GSA Certified Safe and Vault Technicians and GSA Approved Inspectors.**

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### **NEW-ISH ZIF CONNECTORS IN THE X-10**

This newsletter is about something that is sort-of-new and sort-of-old. In May 2017 Kaba-Mas made a change to the X-10 that affects installation and service. This was 3-1/2 years ago (before I began this newsletter), but it seems that there are some that still have not seen the new style ZIF connectors on the X-10 display. The ZIF (Zero Insertion Force) connectors are those parts that are opened slightly so the LCD cables can be inserted into them, then they are closed to lock onto the ends of the cables. The old style versus the new style is easy to spot. The old ones are white, the new ones are black.

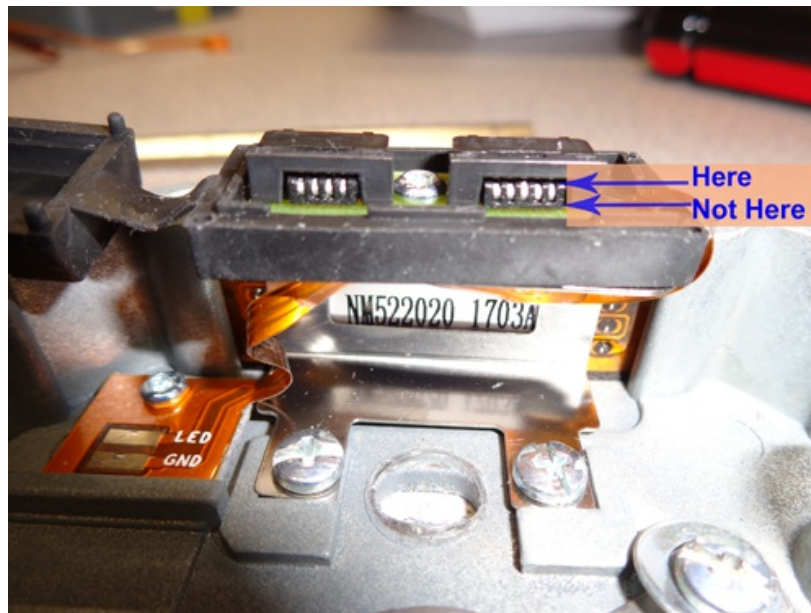
## Old Style



## New Style



With the original (old) style, the installer slid each cable into its connector and closed the connector. There isn't much to it other than the first time you do it, you might need a little guidance. The new style works pretty much the same, except that the installer can slide the cables into the wrong positions. If the installer is not paying attention, it is possible to slide the cables **under** the new style ZIF connectors rather than into them. When this happens, the display does not receive signals making it appear that the lock is not powering up or the cables are damaged.



This picture shows the correct position to install the cables into the new style ZIF connectors. One way to check your installation is to give a gentle tug on each of the cables after closing the ZIF connectors. If a cable was slid under, rather than into, a ZIF connector, it will not be locked in place and will slide out again with a little tug.

Remember, the sides with metal tabs face toward the display.

Hopefully this old news / new reminder helps you in your X-10 service and installations.

Regards,

**Andy Dennison, CMST, CML**

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