

SERVICE BULLETIN

Subject: GS-98 Consolidated Direct Connect Upgrade Kit

Date: 6/2/14

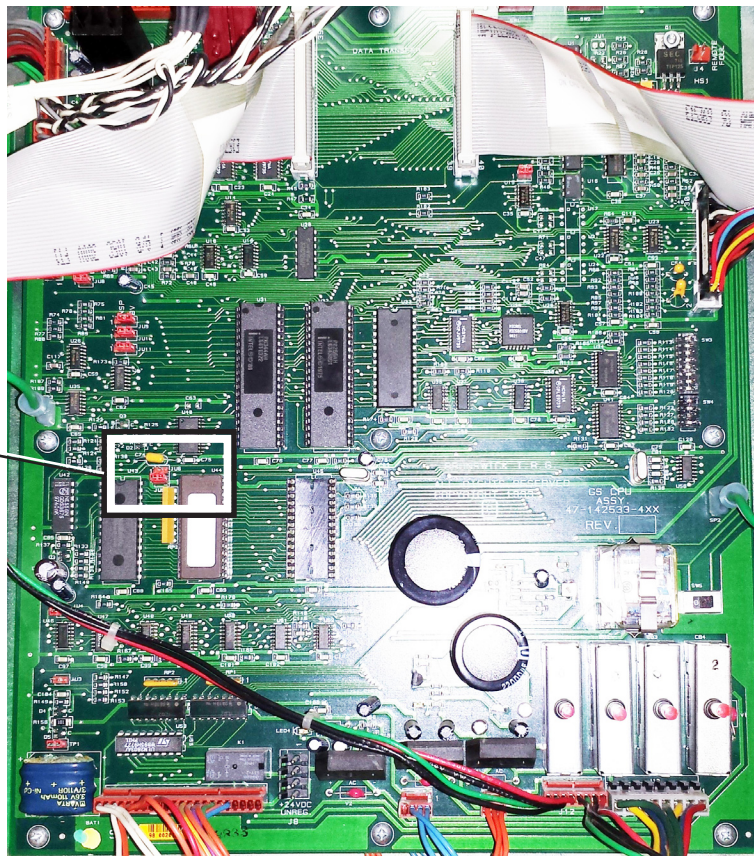
Bulletin No. SB14-8

The CPU board in all factory original GS Pinsetter Consolidated Electronics and early versions of the EPROM upgrade kit for Consolidated electronics (P/N 47-862868-400) used an EPROM chip with a storage capacity of 128K. This size EPROM chip has slowly become obsolete in the electronics industry and replaced with 256K and 512K versions. Brunswick has also moved along with the industry and is now using the 256K size EPROM chip for the upgrade kit.

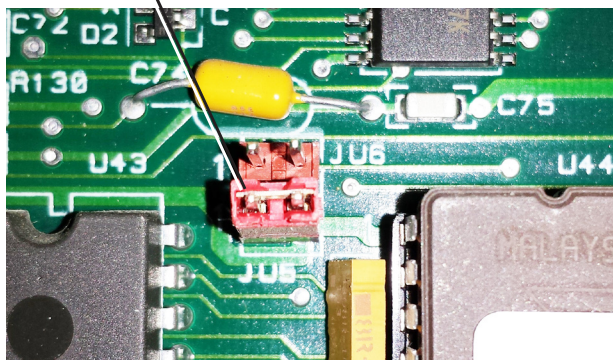
The use of the new EPROM chip requires the relocation of a jumper on the Consolidated CPU board so that the chip is properly identified. Terminals JU5 and JU6, located to the left of the EPROM chip are used to identify the chip type in use on the CPU board. On CPU boards that are equipped with the original 128K EPROM, a jumper will be located at JU5. When installing this upgrade kit the jumper must be removed from JU5 and placed on JU6. Refer to Figure 1.

If you have installed the upgrade kit and the pinsetters will not turn on, verify that the jumper is located on the JU6 terminal and not on JU5.

JUMPER LOCATION
ON CONSOLIDATED
CPU BOARD

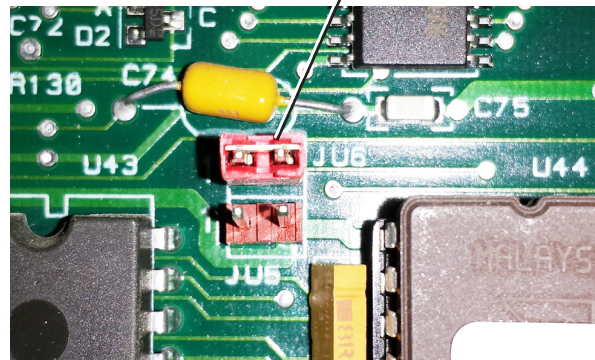


JUMPER
IN THE JU5
POSITION



ORIGINAL JUMPER POSITION FOR 128K EPROM CHIPS

JUMPER
IN THE JU6
POSITION



NEW JUMPER POSITION FOR 256K & 512K EPROM CHIPS

Figure 1 - Jumper Position

If you have questions regarding the information contained in this Service Bulletin, please contact Brunswick Technical Support at 1-800-937-2695 or 231-725-4966, FAX 231-725-4667, or Email techsupport@brunbowl.com Visit <http://www.brunswickbowling.com/service-support/tech-support/> for electronic files of this and other Service Bulletins.

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