

# SERVICE BULLETIN

**Subject: EU Ecodesign Requirements For GS Pinsetter Motors Date: 5/16/2023**

**Bulletin No. SB23-1**

This bulletin is to inform you of the implementation of the upcoming EU Ecodesign requirements for motors and how this will affect the GS-X customers.

Ecodesign Regulation (EU) 2019/1781, which came into effect in October 2019, sets energy efficiency requirements for electric motors and variable speed drives. It applies to low voltage induction motors with alternating current voltage (VAC) ratings less than 1,000VAC and to variable speed drives (VSDs). The overall impact of these regulations will play a crucial role in containing worldwide energy consumption and reducing CO2 emissions. The regulation is implemented in two steps. Step 1 has been in force since July 1, 2021 and step 2, which extends the scope and increases the requirements for motors, is effective beginning on July 1, 2023.

As a result of these changes, customers using 208VAC motors on their GS pinsetters will notice changes to the data plate of these motors. The motor designs have been updated to cover the entire range of voltages necessary to support 208 and 230 volt installations. The motors will now be marked as 230V and will include a voltage tolerance of +/-15%. This covers a range of voltage from 196VAC - 264VAC, meeting the needs of both 208V and 230V motors. The part numbers will still be the same and our labeling on the unit's box will still indicate the motor is rated for 208VAC. Part numbers that are affected include:

- 99-076362-000 Motor, Distributor 208VAC
- 99-076364-000 Motor, Table 208VAC
- 99-076366-000 Motor, Sweep 208VAC

You should not experience any changes in motor operations, however the motors will now need to be configured for proper voltage, prior to use, by verifying that the wiring straps and Brake PCB (if applicable) are properly attached. Refer to *Figure 1*.



**IMPORTANT:** Motors are factory wired for European (380VAC) locations. It is important to ensure that the wiring straps inside the motor are in the correct position and the power cable is wired properly for the voltage you use for your pinsetters. Refer to Figure 1 for additional detail.

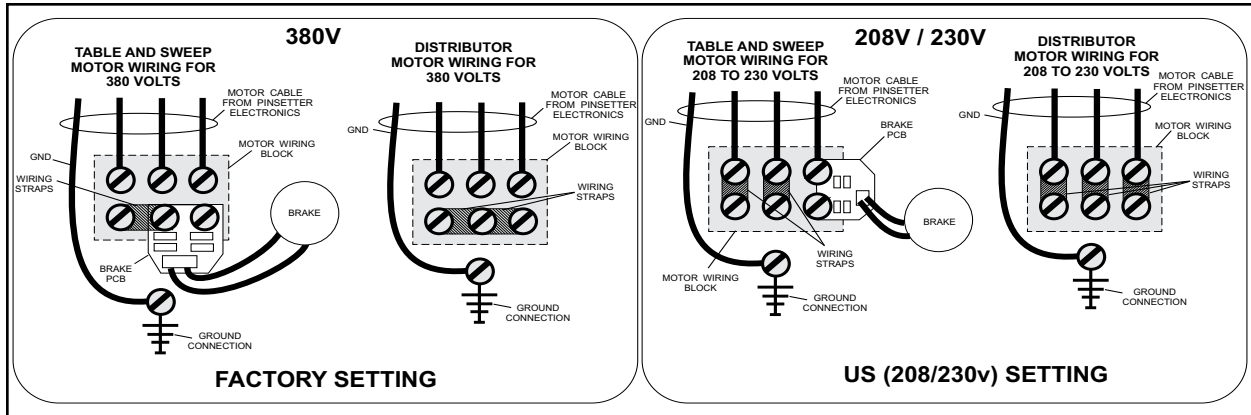


Figure 1

If you have questions regarding the information contained in this Service Bulletin, please contact Brunswick Technical Support at 1-800-937-2695 or 1-231-725-4966, FAX 231-725-4667, or e-mail [techsupport@brunswickbowling.com](mailto:techsupport@brunswickbowling.com).

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