

SERVICE BULLETIN

Subject: GS Pinsetter Manual Updates

Date: 10/7/09

Distribution: GS-Series Pinsetter Customers

Bulletin No. SB09-6

As part of our ongoing commitment to improve the operation and reliability of the GS-X pinsetter, the following changes have been made to the adjustment section of the Operation and Service manuals for GS Series Pinsetter with Base and Fixed Guarding (part number 57-902735-000) and GS Pinsetter with Advanced and Advanced U.K. Guarding (part number 47-902748-000).

Table Height Adjustment

The dimensions used during the table height adjustment have been changed as shown in *Figure 1*. Also refer to *Figures 2 & 3*.

Description	Page Number Reference	OLD Dimension	NEW Dimension	Reason for Change
Table height from the pin deck	5-29	10mm +/- 2mm	10mm to 15mm	1. Provide greater clearance from the pindeck 2. Improved pin setting
Table height from the distributor	5-28	137mm +/- 2mm	140mm +/- 2mm	1. Reduce phantom J2 errors 2. Improved release lever operation

Figure 1 - Table Height Dimension Changes

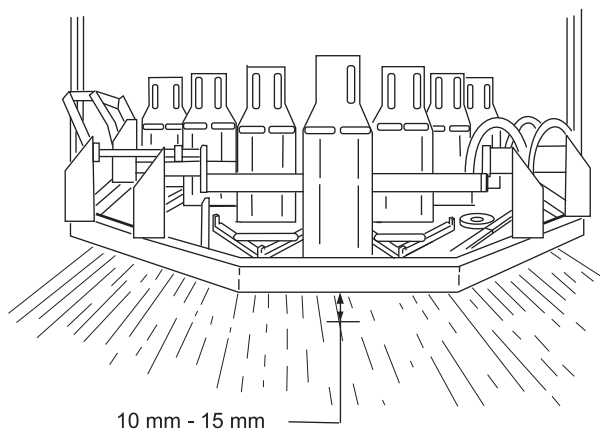


Figure 2 - Lowest Table Position

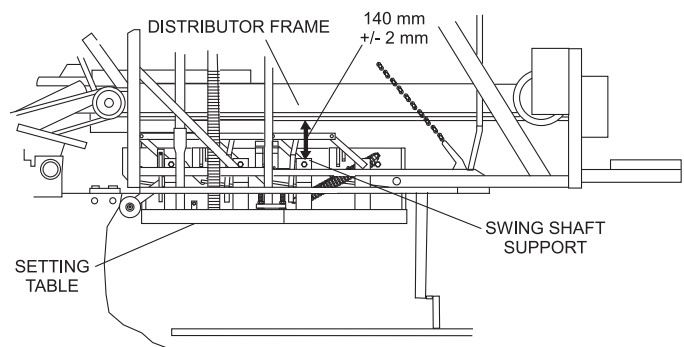


Figure 3 - Highest Table Position

Also, during the table height adjustment, it is possible to get the crank arm and pivot bearing into a position where the pivot bearing can hit the main sweep arm as the crank arm rotates. As a result, damage to the machine can occur. Refer to Figure 4

The new procedure for adjusting the table position now includes the following caution and diagrams..

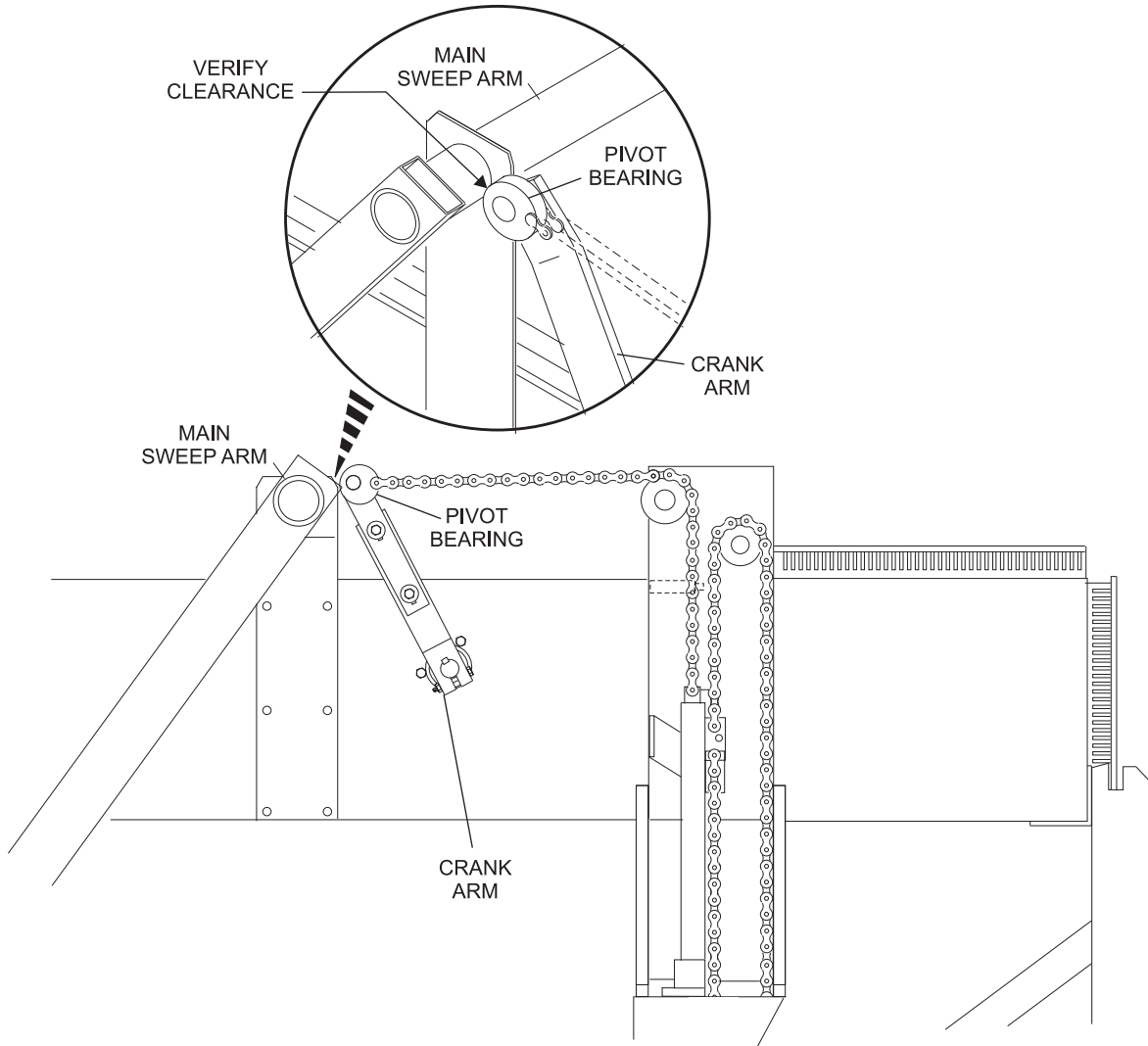


Figure 4 - Pivot Bearing Clearance



CAUTION:

After changing the chain position on the pivot bearing or the length of the crank arm, you must verify that the pivot bearing does not come in contact with the main sweep arm prior to running the pinsetter. Additional clearance may be achieved by removing the pivot bearing from the crank arm shaft, flipping it over, and reinstalling it.

Pin Station Adjustment

The tolerance for the pin station position has changed as shown in *Figures 5 & 6*.

Description	Page Number Reference	OLD Dimension	NEW Dimension	Reason for Change
Pin station release lever distance from the closed pin gripper.	5-21	7mm +/- 3mm	7mm +/-2mm	1. Improve release lever operation 2. Simplify adjustment procedure

Figure 5 – Pin Station Adjustment Dimensions

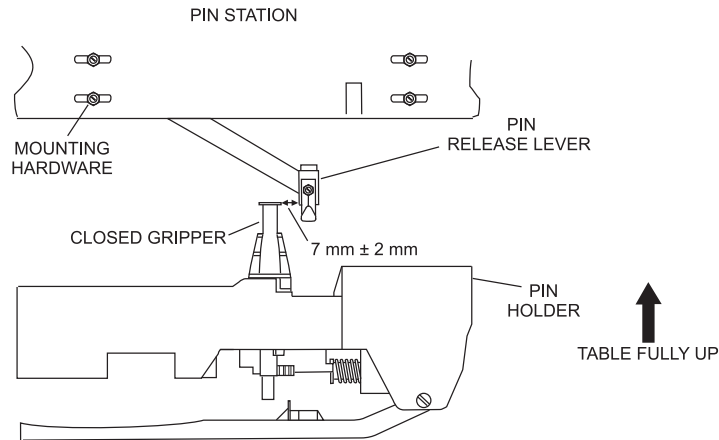


Figure 6 - Pin Station Position

Also, the requirement to check the position of the release lever to the “opened” pinholder gripper has been removed. Refer to *Figure 7*.

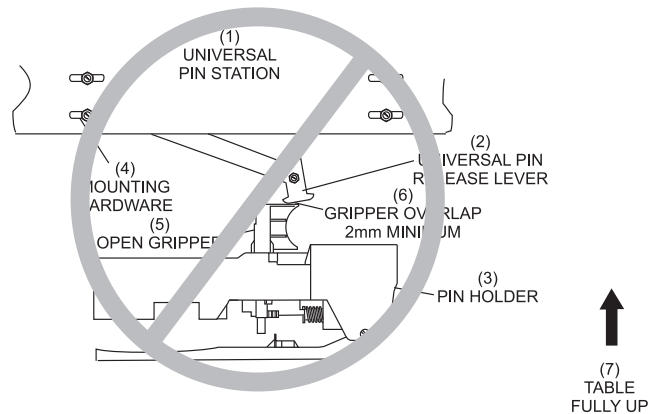


Figure 7 - Pin Station Position on Open Gripper

Please update your manuals to reflect the new adjustment procedures or visit www.brunswickbowling.com to download a copy of the updated manual.

A copy of this Bulletin can be found on the Brunswick Bowling web site www.brunswickbowling.com. If you have any questions regarding this or any other Service Bulletins, please contact the Customer Response Center at 1-800-937-2695 or 1-231-725-4966.

William P. Jager
 William P. Jager
 Service Product Engineer

David E. Rice
 David E. Rice
 Director of Worldwide Service