

SERVICE BULLETIN

Subject: Remove T-band Board Bolts with Thread Sealant

Date: 10/2/09

Distribution: GS Pinsetter Customers

Bulletin No. SB09-8

GS Pinsetters, series numbers 651 to 670, have thread sealant on the T-band board bolts (P/N 11-052930-000).

Customers experiencing issues removing the T-band board bolts should follow the procedure below.

There are several penetrating oils that can be purchased from a local hardware or automotive store:

1. Loctite ®, 8040 (European part number)
2. Loctite ®, 81252 (USA part number)
3. Blaster Chemical Companies, Inc., “PB Blaster”

i *NOTE: Do not use WD40.*

If these penetrating oils can not be purchased in your area, “PB Blaster”, www.pbblaster.com, can be shipped internationally from the following contact: Paul Wright, email: paul@advancedds.com, phone 330-950-3330.

T-band Board Bolts with Thread Sealant Removal Procedure

1. Spray penetrating oil around the head of the T-band board bolt. Refer to *Figure 1*.

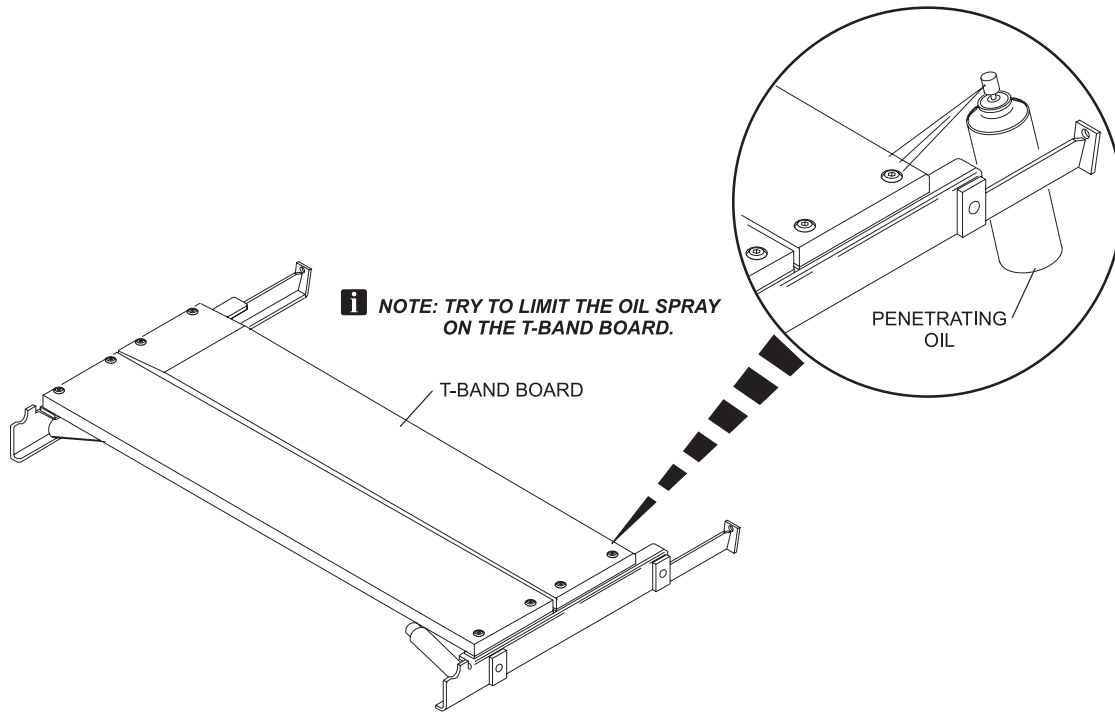


Figure 1

2. Allow the penetrating oil to penetrate the thread sealant. It would be best to allow penetrating oil to set overnight for 10 to 12 hours.
3. Remove the T-band board bolt.
4. After the T-band board bolt is loose, if the T-band board bolt is still difficult to remove, apply more penetrating oil and wait an additional 15 to 30 minutes. Refer to *Figure 2*.

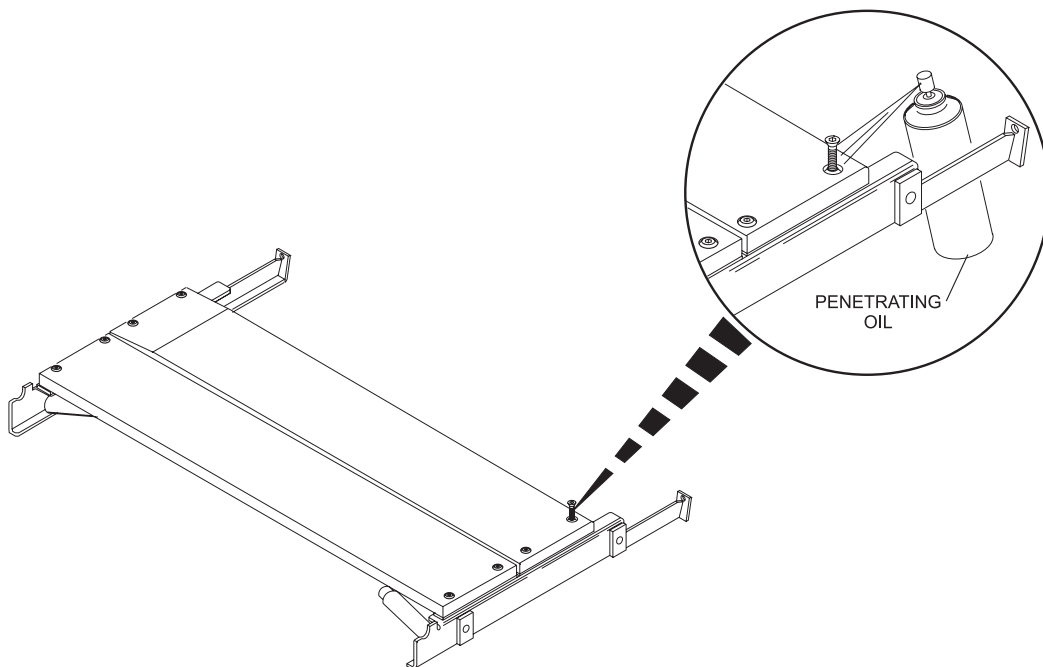


Figure 2

i NOTE: Remove the thread sealant from the T-band board bolt with a wire wheel. If the T-band board bolt is damaged, order (P/N 11-052930-000) for a replacement bolt.

5. If the penetrating oil will not aid in the removal of the T-band bolt, then the head of the bolt will need to be drilled. For this procedure there will be two drill bits required, a 3/16" (4mm) and a 7/16" (11mm) TiN (titanium nitride) drill bit. TiN (titanium nitride) drill bits are the most efficient type of drill bit for drilling the head of the T-band board bolt.
6. Pre-drill the center of the T-band board bolt head with the 3/16" (4 mm) bolt. Drill approximately 1/2" (13 mm) deep. Refer to *Figure 3*.

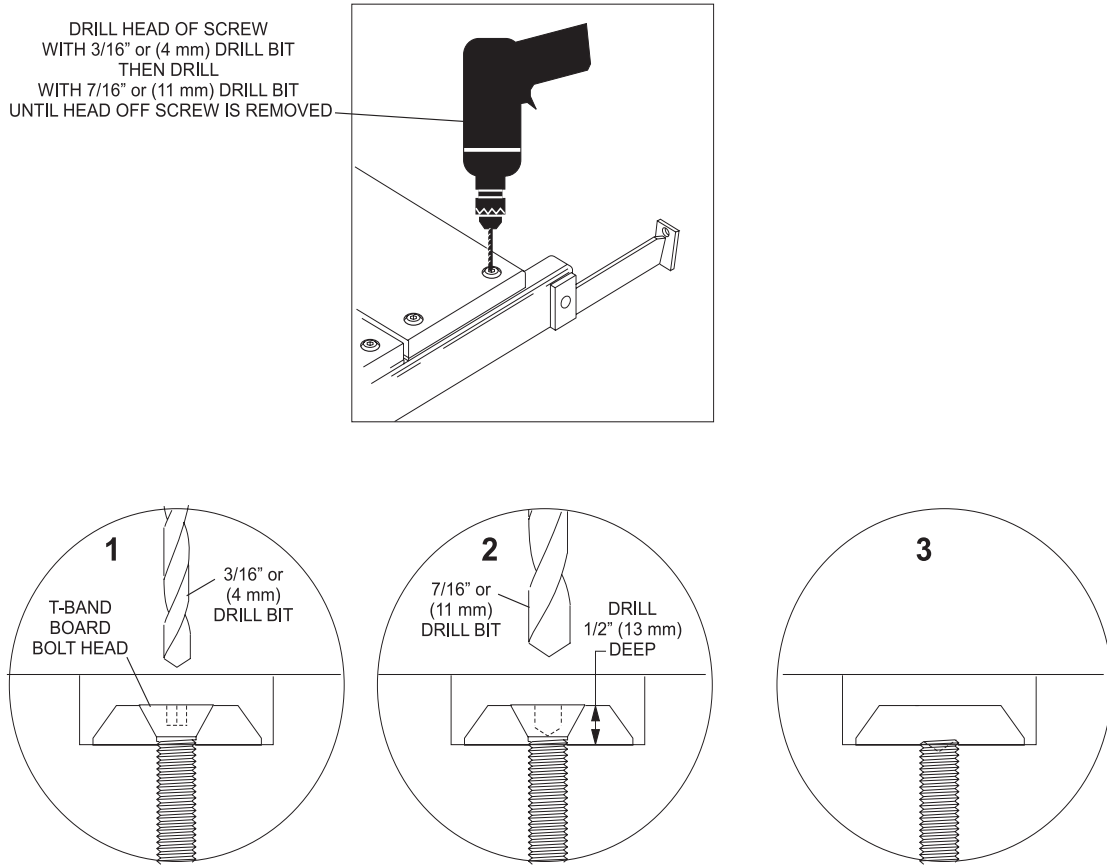


Figure 3

7. Using the 3/16" (4mm) pre drilled hole, completely remove the T-band board bolt head with the 7/16" (11mm) drill bit. Refer to *Figure 3*.

Side Frame Repair Kit, 47-276153-009

If the nut in the T-band side frame is damaged or becomes loose from removing the T-band board bolt, a repair kit can be purchased, package number 47-276153-009.

Contents of Package Number 47-276153-009, Side Frame Repair Kit:

<u>QTY</u>	<u>Part Number</u>	<u>Description</u>
1	47-276153-000	Side Frame Repair Nut
1	11-052930-001	T-band Board Bolt

1. Remove the damaged T-band board nut with a punch. Refer to Figure 3.

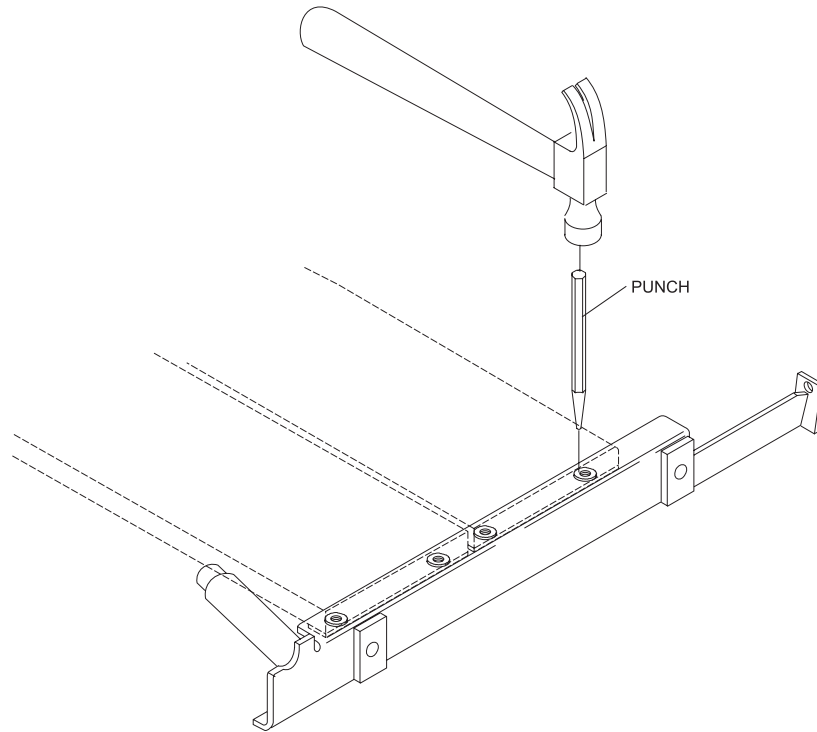


Figure 3

2. The side frame repair nut, part number 47-276153-000, has adhesive to temporarily hold it in place until the T-band board bolt is secured. Refer to Figure 4.

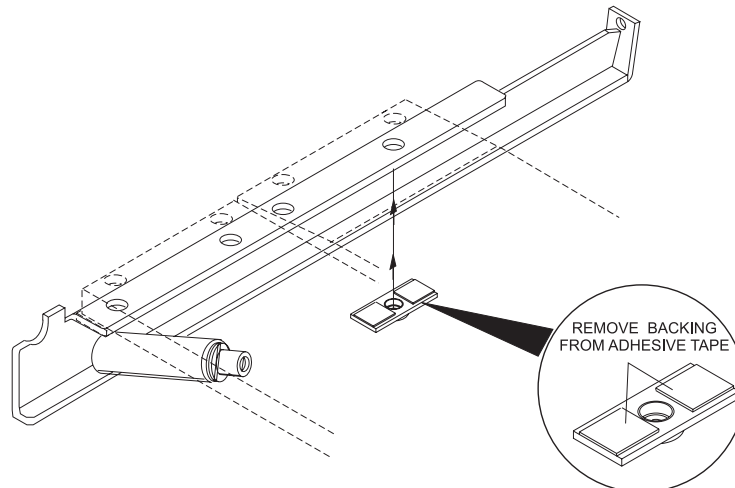


Figure 4

3. Assemble the T-band board with the T-band board bolt. Refer to *Figure 5*.

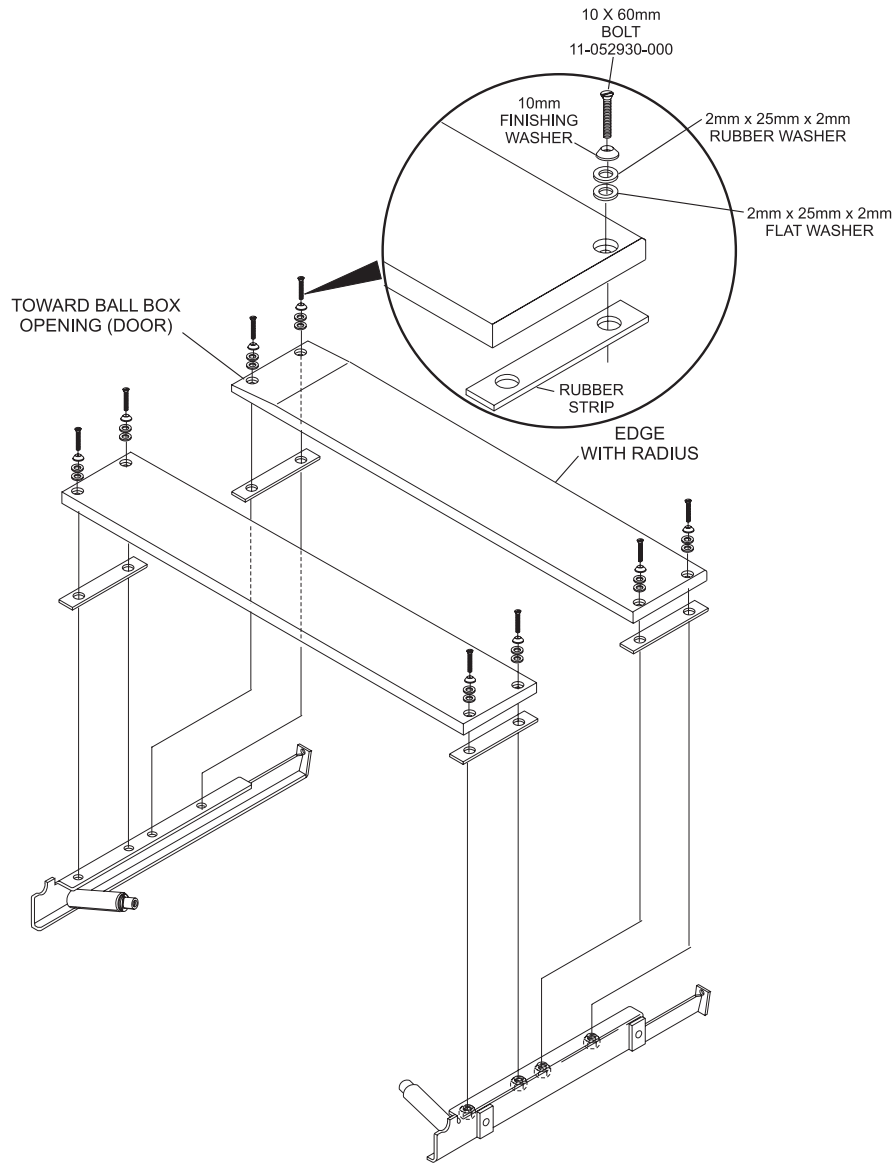


Figure 5

If you have any questions about the information contained in this Service Bulletin, please contact the author or in International locations, please contact your Brunswick representative. Visit www.brunswickbowling.com for electronic files of this and other Service Bulletins.

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