

Cushion Rail Information

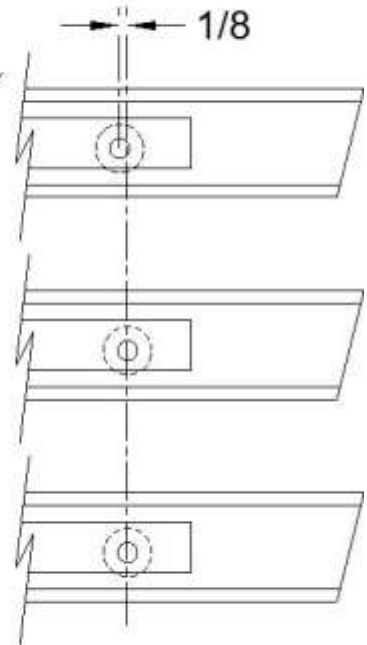
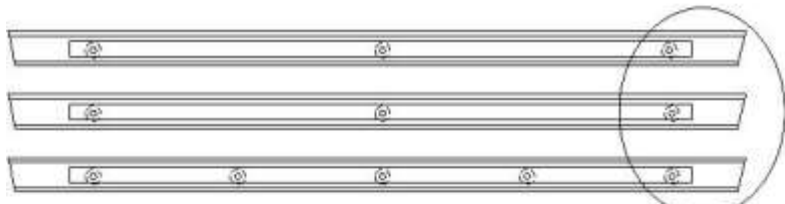
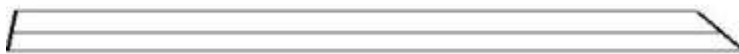


www.valleydynamoparts.com



Valley and Dynamo cushion rails are intended for use only on Valley and Dynamo tables we make no claims or guarantees that they will work on products of any other manufacturer: past, present or future.

ONE RAIL SET—NO CONFUSION— New for 2025 there is a single rail set for Valley Panther and Dynamo tables. No need to stock separate sets for Valley and Dynamo, or for old and new Valley tables.



We've provided this drawing to show just how minor a change was made.

From top to bottom

- 3-bolt side rails from the early 1970s to 1999— $\frac{1}{8}$ " difference
- 3-bolt side rails from 1999 to 2009—Valley and Dynamo
- Valley 5-bolt side rails from 2009-present

Note that the innermost and center holes are UNCHANGED

Just use only the bolt holes that matter to your table

Will these rails fit my Valley table? **YES THEY WILL!!**

For tables 1999—2009: We kept the center and innermost side rail bolt locations unchanged. If your '99 to '09 table uses three bolt rails, the five bolt rails work just fine. Just install the rail bolts as normal.

For tables prior to 1999: See the back of this page for installing newer rails on older tables. Current 5-bolt rails do not fit old pre-1970 tables with rails that used wood screws. Neither did the prior 3-bolt rails.

Could I change my three-bolt table to use five bolts? Specialized CNC equipment accurately locates and drills the bolt holes on new tables' top rails. Modifying an old table is possible but not recommended.

We no longer build any 3-bolt rails, Original Equipment or Ridgeback

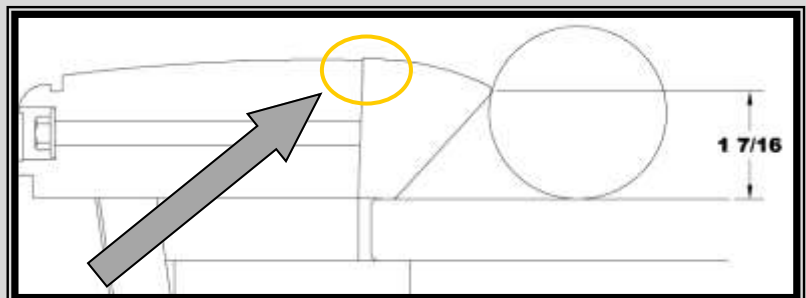
As the box instructions say: tighten rails to 65 inch-pounds.

- ◆ *START THE BOLTS BY HAND BEFORE FULLY TIGHTENING to avoid cross-threading.*
- ◆ No torque wrench? Just make sure the bolts are snug.
- ◆ Cross-threaded bolts are not a covered warranty failure.
- ◆ Overtightened rail bolts are not a covered warranty failure

WHAT IS THE PROPER CUSHION RAIL HEIGHT? – BCA Specifications are 60% - 64% of the height of the object ball, or more simply measured: $1\frac{7}{16}$ " above the bed of the table.

THEY STILL LOOK A LITTLE HIGH TO ME: It is possible the cushions may be as much as $\frac{1}{16}$ " higher than top rail. **THIS IS OK—**

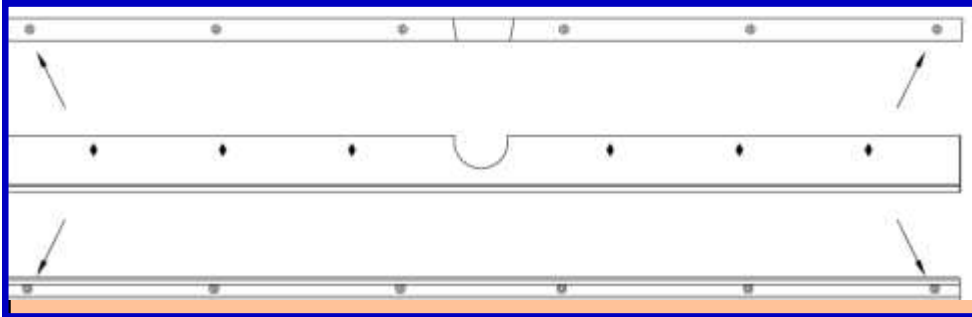
Also, the wooden rail backing extends into the groove between slate and side wall for more solid mounting of both slate and rail. Accumulated glue on the slate from repeated recovering over time raises the surface.



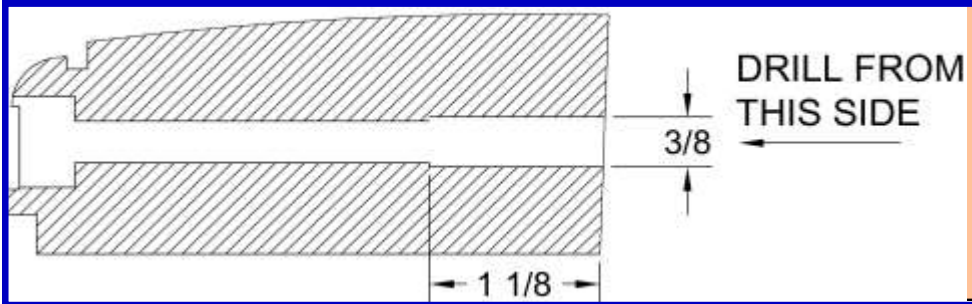
Always, Always, Always strip the slate of excess glue when recovering.

INSTALLING REPLACEMENT RAILS ON OLDER VALLEY TABLES

Current UNIVERSAL rails only fit tables that use **rail bolts** to attach the rails (from late 1969-now) **For rails attached with wood screws**, the best option is to have the rubber replaced on the current rails, and have them covered in new felt. For Valley tables of 1970-1999 vintage, current rails can be used once your table has **this one-time modification** for proper attachment and mounting.



The four bolt holes in this drawing were moved 1/8" more than 25 years ago. Drill *only* the end mounting holes on the side rail using a 3/8" diameter drill bit. From the cushion side, drill no deeper than 1 1/8". This will allow just enough movement of the rail bolt so it can be angled to attach securely.

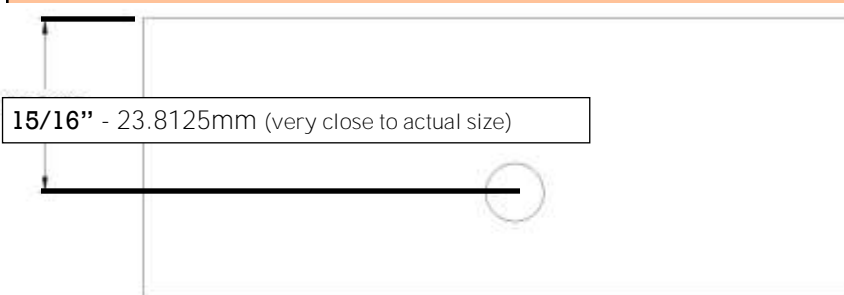


End rails need no modifications

Dynamo tables do not require this modification

INSTALLING REPLACEMENT RAILS ON OLDER DYNAMO TABLES

Current UNIVERSAL rails are a direct replacement for Dynamo tables 1999-now (generally tables with a factory-installed magnetic separator) **No modifications are needed** and the "three bolt holes that matter" line up perfectly to those on the rails



The bolt holes were located in this configuration starting over 25 years ago. On current model Dynamo tables, the rail bolt center is 23.8125mm (15/16") from the top rail.

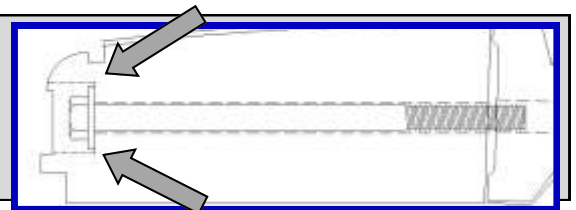
IF YOUR TABLE MEASURES LESS THAN 23.8125mm (15/16") you will be unable to mount the rails low enough for proper play height.

Top rail of your Dynamo table - cushion side

For proper mounting, it will be necessary to shave or trim approximately 1/8" from the bottom of the wood on each of the 6 cushion rails.

Newer 2000-present Dynamo tables do not require any modification

Years of remounting cushion rails can wear into the wood of older tables or tables where the rails have been frequently changed. Add washers under the rail bolts to keep them from extending too far into the wood and causing the rubber to bulge.



Are you having any problems with your cushions?

techhelp@valley-dynamo.com

Or call Valley-Dynamo Tech Support : 800.248.2837 and follow the menu
(for faster service, do not call or contact sales or equipment sales)