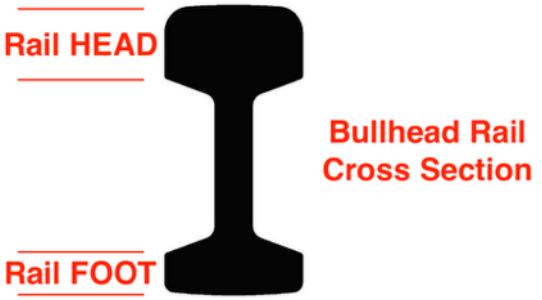
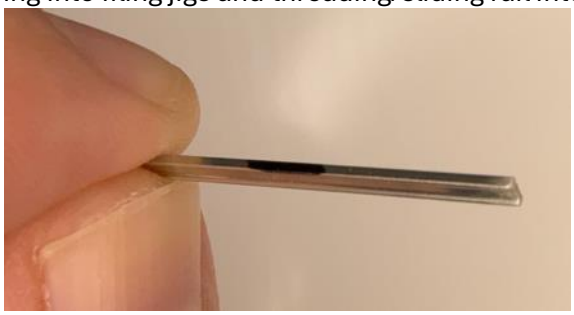
Prepare Rail Sections for filing:

- Note: Bullhead Rail Head is thicker/higher than Rail Foot so, it's a good idea to mark the tops of rails with a marker pen to aid correct rail orientation when placing into filing jigs and threading/sliding rail into chairs





- Ensure all rail ends are deburred. It's a good idea to file a tiny lead in chamfer to both ends of rail to enable chairs to be easily threaded onto rail.

Tools required/suggested: Engineers vice, 2nd-cut engineer's flat file & Needle file.

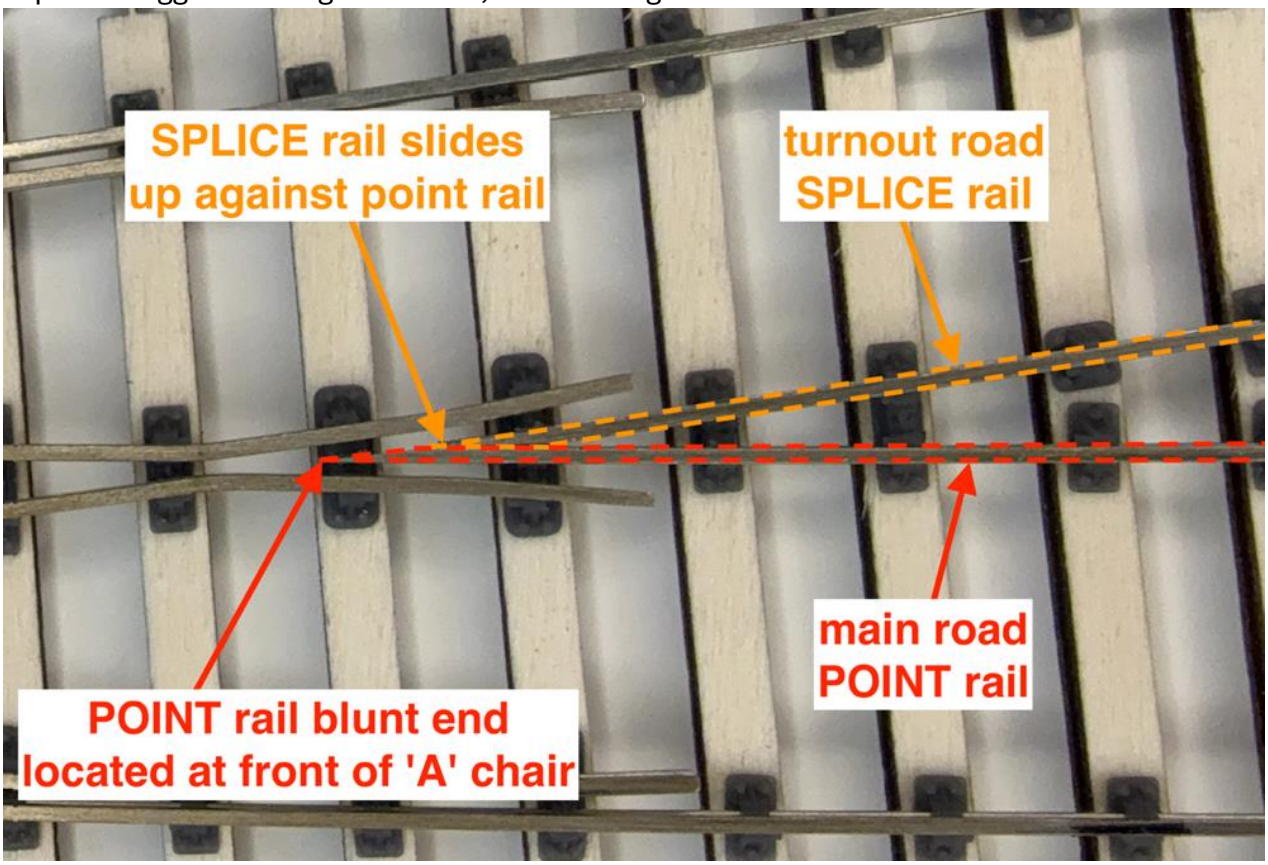


Photo of 4mm 00-SF B7 LH Vee crossing rails filed & assembled.

Filing Vee crossing rails using Kosmik's Vee crossing rail filing jig:
The crossing jig makes both point and splice vee rails by turning the rail the other way up. They are opposites for the opposite hands of a V-crossing.

The vee rails are inserted separately into the chairs.

The point rail forming the nose of the vee goes on the straight-ahead main side (MS) of the crossing. The splice rail goes on the diverging turnout-side (TS) of the crossing and fits snugly against the point rail. This is important to allow the rails to fit properly in the 3D-printed chairs.

The larger edge of the rail is the head (top) of the rail -- the rails won't fit in the chairs upside-down. Be sure to identify which hand you need before fitting the rails in the jig, and which side of which rail needs to be filed.