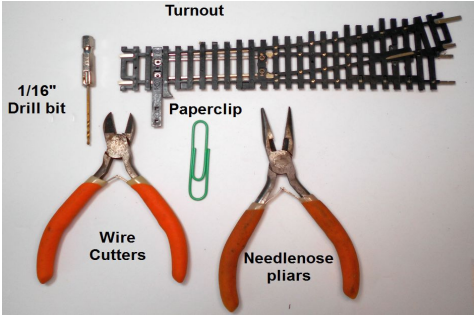
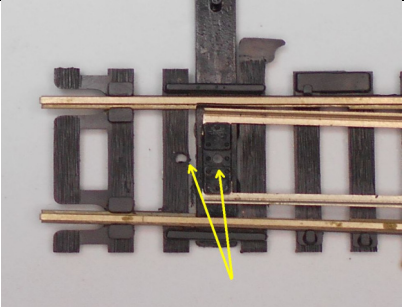
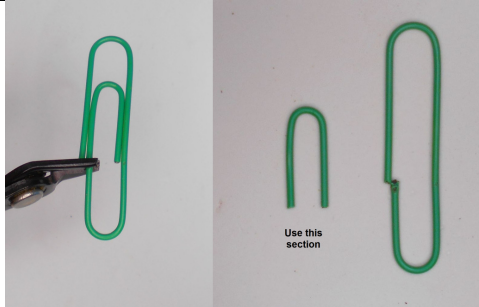
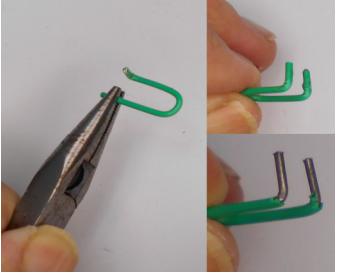
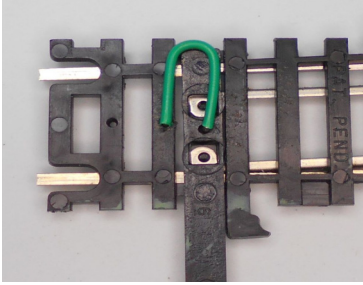
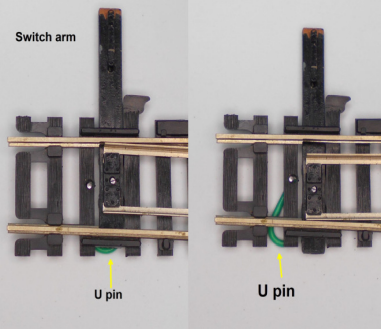
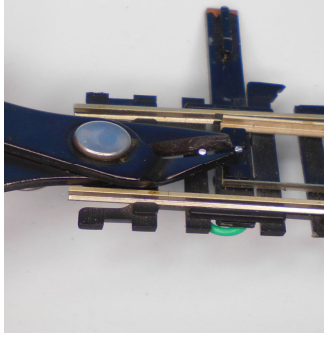


## Using a Paper Clip to secure Turnout Points

The following instructions summarize a Youtube Video by Danny MacNevin on how to secure turnout points using a paperclip to ensure good alignment with the rails.

The link to his informative video is... <https://www.youtube.com/watch?v=RaJS0SmuBeU>

Some modifications to the original instructions have been included here.

<p><b>Equipment Needed</b></p> <ol style="list-style-type: none"> <li>1. A manual Turnout</li> <li>2. Paperclip: large size plastic coated</li> <li>3. Wire cutters</li> <li>4. Needle nose pliers</li> <li>5. 1/16" drill bit</li> <li>6. Small drill</li> </ol>	 <p style="text-align: center;">Turnout</p> <p>1/16" Drill bit</p> <p>Paperclip</p> <p>Wire Cutters</p> <p>Needlenose pliers</p>
	 <p style="text-align: center;">Use this section</p>
<p>Drill holes the width of a paper clip in the middle of the tie and switch lever as shown while holding the points equal distance away from contact with the rails.</p>	<p>Cut a large paper clip at a point shown. Use the small inner U shaped (U pin) for the turnout.</p>
	
<p>Using needle nosed pliers bend 1/4" of the cut ends perpendicular to the U. The coating can be left or stripped off the bent ends</p>	<p>Insert the ends into the 2 holes on the underside of the turnout. The fit should be snug, not loose.</p>
 <p>Switch arm</p> <p>U pin</p> <p>U pin</p>	
<p>Test the switch by moving the switch arm back an forth . A small click is heard as the point secures against the track rail.</p>	<p>Snip off the excess metal on the U pin to keep the projections below the level of the track.</p>