



This kit should have (1) pivoting plate (large plastic part). (1) Pivoting throw rod housing (small plastic part). (2) Wood screws. (1) Small self tapping screw. (1) .032 piano wire. (throw rod) Assemble the pivoting throw rod. (fig 3) Start the self tapping screw into the small hole in the pivoting throw rod housing. Slide the piano wire down between the post and under the screw and then tighten the screw against the piano wire. Place the P.T.L. together by pressing the pivoting throw rod on the pivoting plate. (fig 1) Be side the throw rod is free to pivot.

Preparing the Roadbed and Switch

If the switch is not installed

Start with the clearance hole (fig 1 and 2-4) This hole should be drilled between the ties anywhere along the length to the throw bar before the switch is installed. A 1/4 inch hole is adequate. It may need to be a bit larger for larger than HO scale.

Next, as the switch is complete, drill a 0.040 to .043 inch hole (number 60 to 70 bit). (if these numbers are foreign to you a 3/64 drill bit is a little large but will still work.)

Drill the hole through the switch throw bar centered over the clearance hole. Now you're ready for mounting the P.T.L.

If the switch is installed

If your throw bar extends to the side of the track (fig 2-1) and is made of plastic or flexible material, you can drill the clearance hole from underneath the layout (fig 2-2) and when the 1/4 bit starts to come through, lift the end of the throw bar up so the bit doesn't damage it. Then drill the (number 60 to 70 bit) hole through the throw bar centered over the clearance hole.

Mounting the P.T.L.

Take the P.T.L. under the layout, slide the throw rod up the clearance and through the hole in the throw bar. Hold the P.T.L. against the layout. (be sure the P.T.L. is parallel with the ties) (fig 2-3) move the pivoting throw bar back and forth to be sure the wire does not hit the clearance hole. Mark and drill the wood screws holes and lightly screw down the P.T.L. Now cut off the extra piano wire off the top.

CAUTION: WHEN CUTTING THE PIANO WIRE, BE SURE THE FREE END DOESN'T FLY UP AND HIT YOU.

Now you're ready to connect your switch machine or chock rod.