

South Bend Signal Company

Large Scale Switch Stand: LHLS-T or LHLS-L



Installing the Stand

In order to install the stand you will need a switch with tie extensions. If your switch does not have tie extensions you will need to add them either using pieces of styrene or wood to make the extension. They should be about 2 inches long. **View Fig. 1.** The tie extensions should be level with the ties of the original switch. The extensions should be on the curved side of the switch.

Fig. 1

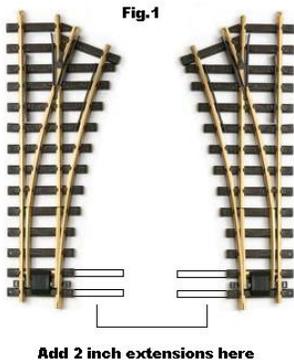
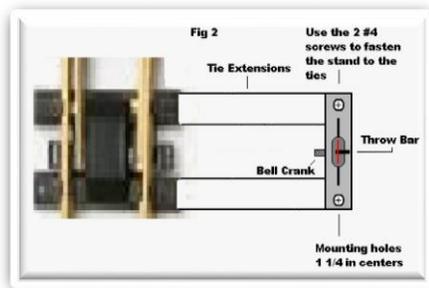


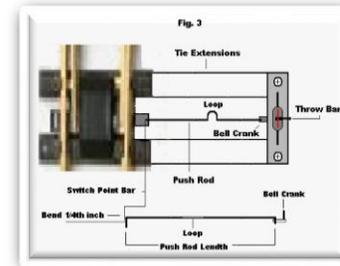
Fig. 2



Place the switch stand on the extensions and mark the position of the switch stand base holes. Drill the pilot holes with a 3/32nd inch drill. Attach the stand with the two #4 screws. View **Fig 2.**

Configuring and Attaching the Push Rod (view Fig. 3)

[1] If it is not already removed, remove the switch stand from the ties. The push rod must be bent to the proper configuration so that when the throw bar is moved the points on the switch will be firmly held against the rail. The one end of the push rod is already bent 1/4th inch as well as a loop. The bent end of the push rod is inserted into the top of the bell crank hole. There is a loop bent into the push rod. This loop provides a pressure like spring to keep the point firmly against the rail provided that the push rod is cut to the proper length.



[2] Drill a #56 hole (.044) in the switch point bar.

Fig. 3

[3] The length of the push rod is determined by the distance between the switch stand bell crank and the switch point bar. To determine the length of the push rod move the points to the straight position and the throw bar on the

switch stand to the right. Lay the push rod next to the hole in the switch point bar and make with a Sharpie pen. Bend the rod slightly less than the mark that you made on the push rod. The length of the bend should be 1/4th inch.

[4] Reattach the switch stand with the screws provided.

[5] Attach the push into to hole in the bell crank of the switch stand and into the hole for the switch point bar.

[6] Test the installation by moving the throw bar on the switch stand and check to make sure that the points are firmly against the rails. Make minor adjustment by making slight bends in the push rod loop if necessary. If you want to make a new push rod use a large paper clip and bend it to the configuration.

Switch Stand with Lantern

If the Switch stand you purchased has the lantern the two wires run out the bottom of the shaft. The lamp is an incandescent light (grain-of-rice) that draws rated at 60 milliamps of power. The voltage is 12 volts. **DO NOT EXCEED THIS VOLTAGE OR YOU WILL BURN OUT THE LAMP.**