



# TSB-Y-Rail-Sensor-Replacement

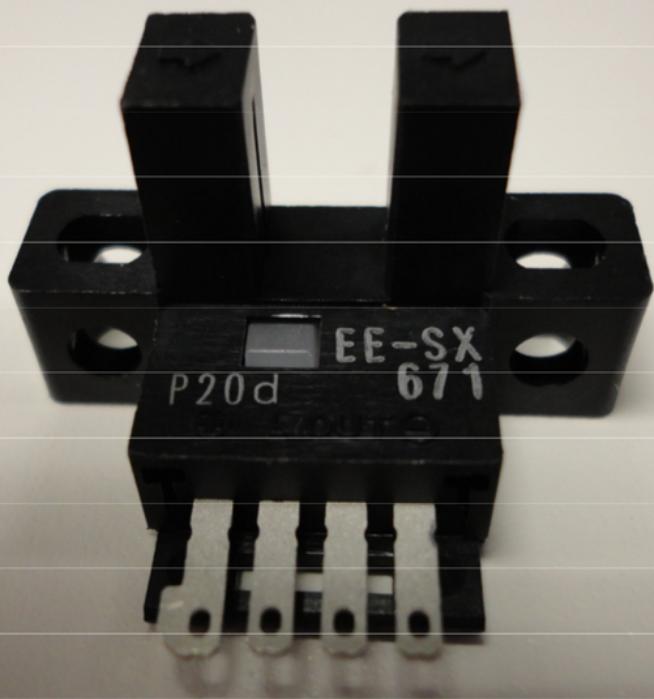


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**Description:** Replacing the Y Rail Sensors Including the Upper Limit Sensor, Lower Limit Sensor, and the Home Sensor.



## 1. Replacing the Upper Limit Sensor

This is the Upper Limit and the Home Sensor on the Y Rail. In the First step we will cover replacing the Upper Limit Sensor. (Upper Sensor Displayed to the Left)

You will need to remove both of the hex screws on the top set of screws located at the top of the rail. This will allow you to remove the sensor from the rail and unplug the right angle sensor that is plugged into the cable.

You will then need to plug the cables back into the new right angle sensor first before you mount it back onto the rail. If the Sensor is facing you then the order of the cables will be Black, Green, skip one pin, and then Red like shown on the picture to the left. Then mount it back with the cable facing up so it does not interfere with the Home Sensor.

## **2. Replacing the Home Sensor**

This is the Upper Limit and the Home sensor on the Y rail. We will now be covering replacement of the Home Sensor on the Y rail. (Lower Sensor of the two displayed to the left)

You will need to remove both the hex screws on the bottom set of the two at the top of the rail. This will allow you to remove the sensor from the rail and unplug the right angle sensor from the cable.

You will then need to splice the cables back into the right angle sensor first before you mount it back onto the rail. If the Sensor is facing you and the order of the cables will be Black Green skip one pin and then Red like shown on the picture to the left. Then mount it back with the cable facing down so it does not interfere with the Upper Limit Sensor.

### **3. Replacing the Lower Limit Sensor**

We will now be covering the replacement of the  
Lower Limit Sensor on the bottom of the Y Rail.

First step is to remove the two hex screws located on the Lower Limit Sensor. Then take the right angle sensor off the cable and you will need to splice the cables back

onto the new right angle sensor.

You will then need to splice the cables back into the right angle sensor first before you mount it back onto the rail. If the Sensor is facing you and the order of the cables will be Black, Green, skip one pin, and then Red like shown on the picture to the left. Then mount it back on the rail with the cable facing up.

<b>Tools/Parts Needed:</b>	<b>Quantity</b>
Right Angle Sensor	1
Hex Wrench Set	1

<b>Associated TSB's:</b>	
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<b><u>Owner:</u></b>	<b><u>Department:</u></b>
Created by: Lee Erickson	Machine Support
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1.0.0	02/20/2012	Original Release

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