

## ADJUSTABLE SPRING TENSION

The spring tension of the points has been carefully determined to allow the passage of virtually all rolling stock without derailment. Should you desire to adjust the spring tension, follow these steps:

1) Carefully "unsnap" the switch machine cover

2) Using tweezers, unhook the spring from the throwbar link

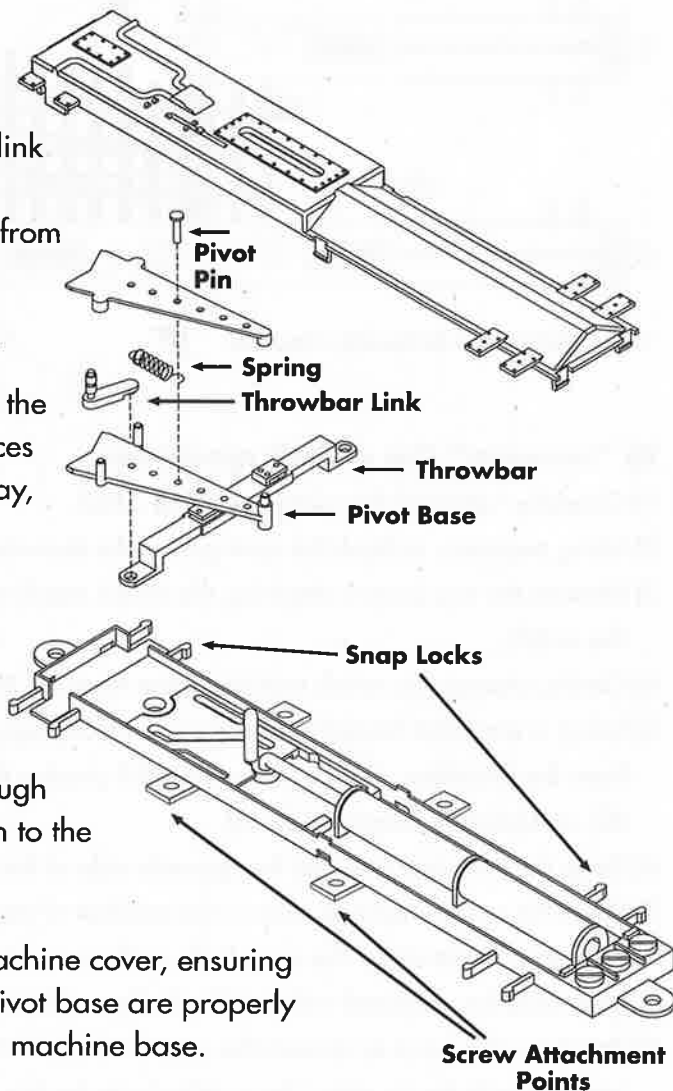
3) Unhook the spring from the pivot pin

4) Relocate the pivot pin. Closer to the throwbar link reduces tension, further away, increases tension.

5) Reattach the spring to the pivot pin

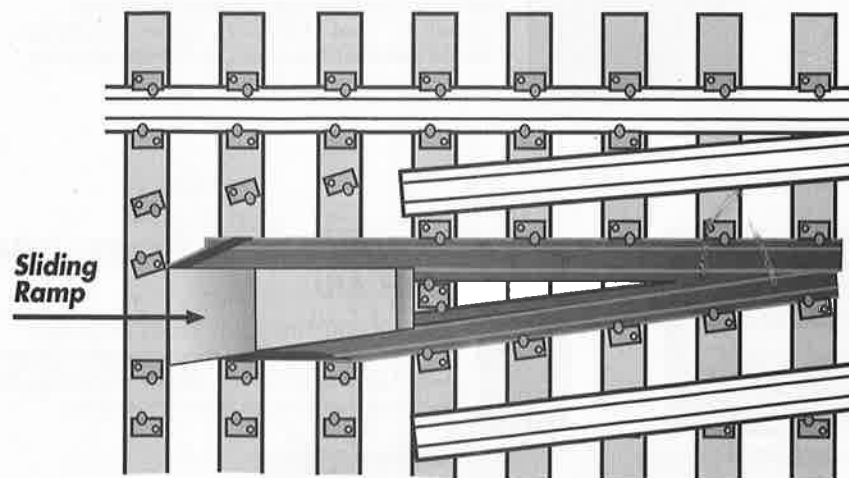
6) Using tweezers pull the spring end through the pivot and attach to the throwbar link

7) Re-attach switch machine cover, ensuring that the slide and pivot base are properly seated in the switch machine base.



## SLIDING SHOE RAMP

Certain Lionel® operating cars (such as the #3472 Milk Car) are activated through the use of sliding shoes on their trucks. Included with your Atlas O Switch is a snap-in "ramp" which will eliminate any snag of the shoe on the center V-shaped closure rails. The diagram below shows the location of the ramp. Simply press in place.



Note: The ramp is not required for magnetically activated couplers or operating cars.

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## MAINTENANCE AND SERVICE

**Atlas O switches have been designed to be as simple and maintenance free as possible. Keep the switches clean and the throwbars free of interference.**

**If service is required within the warranty period, this item may be sent to the Atlas O Customer Service Dept. Make sure the item is packed to prevent shipping damage; if possible send in original package to:**

**ATLAS O, 378 FLORENCE AVENUE, HILLSIDE, NJ 07205**

For warranty information, please visit: <http://www.atlasrr.com/warranty.htm>



**Atlas O**  
**378 Florence Avenue**  
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