

RONK Grade Level Switch Crank Mechanism Adjustment

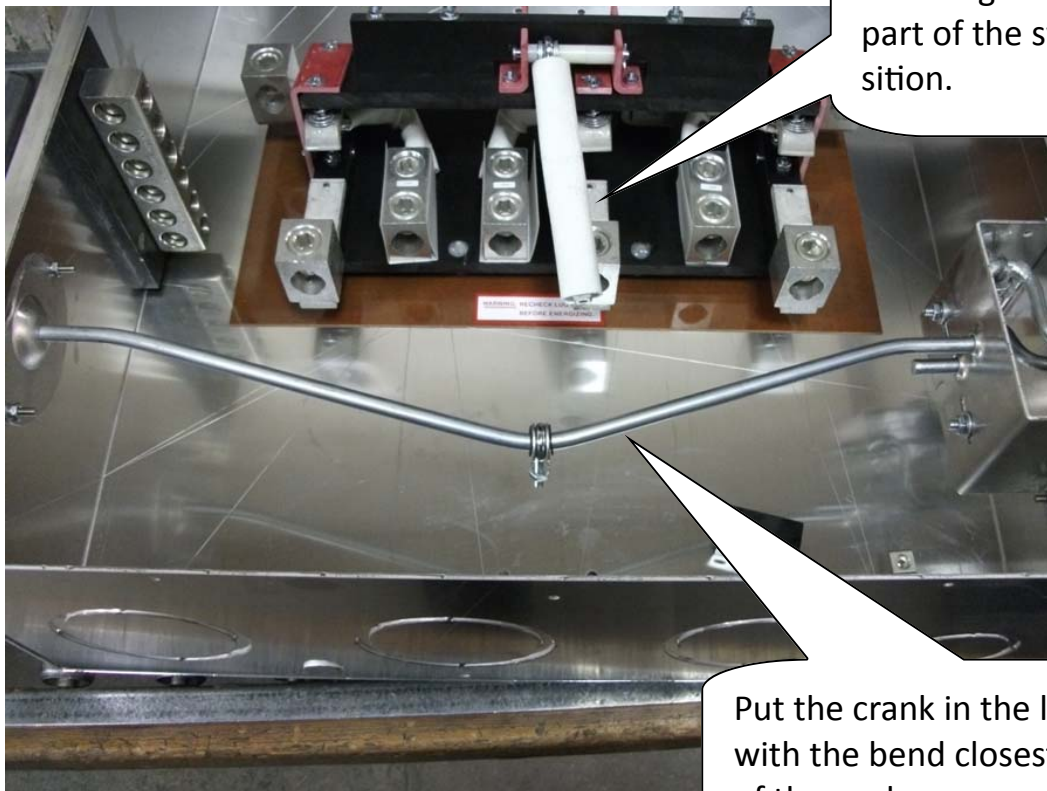
**DANGER! ELECTRICAL HAZARD WILL CAUSE INJURY OR DEATH.
DISCONNECT AND LOCKOUT ALL POWER TO THIS SWITCH BEFORE
PERFORMING THIS PROCEDURE.**



Inspect switch mechanism and note how components look before removing or adjusting components.

Make sure the area around the crank mechanism is clear for free movement, in particular, make sure power wires are not interfering with the crank motion!

If the turnbuckle is disassembled, then begin by moving the movable part of the switch to the upper position.



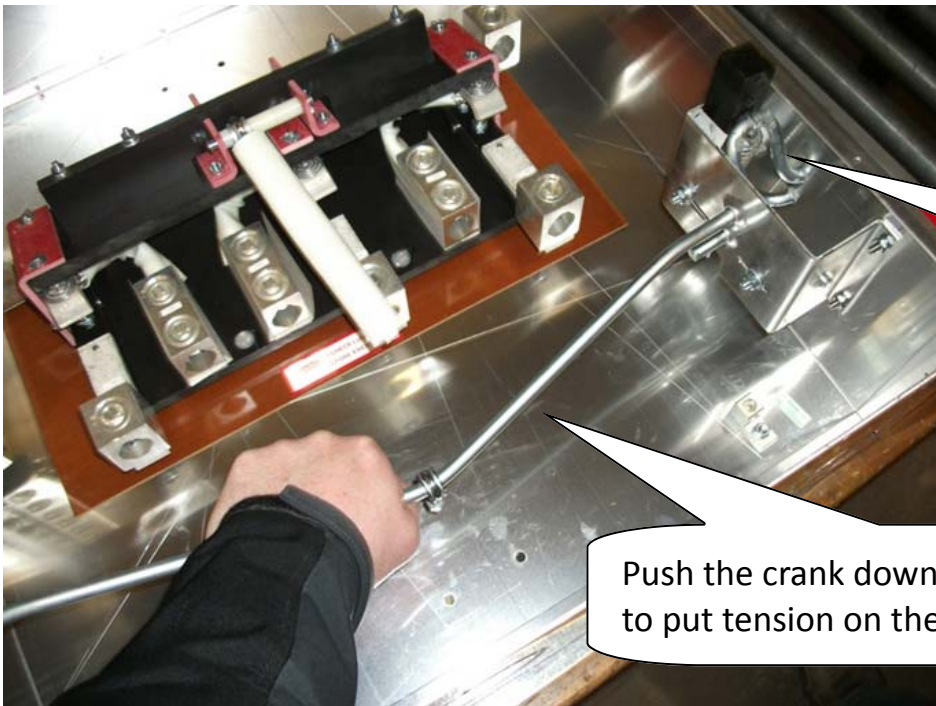
Put the crank in the lower position with the bend closest to the bottom of the enclosure.



Put the handle crank into the lower position.

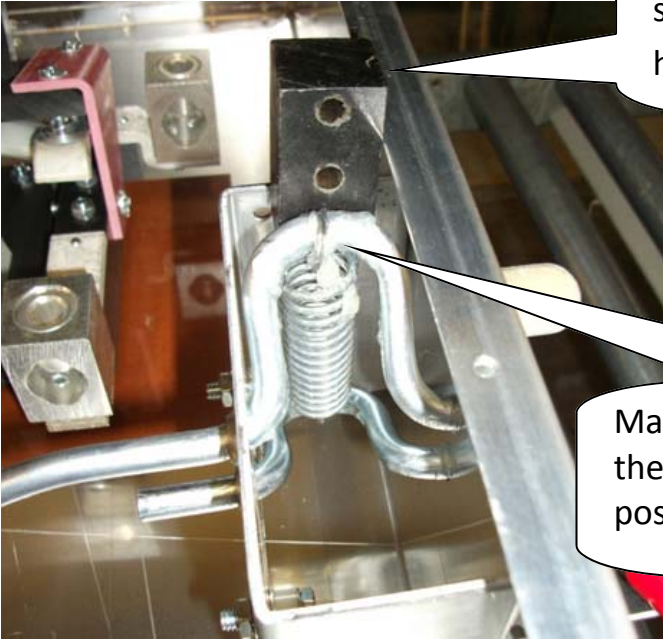


You must start with the top turnbuckle screw (attached to the switch movable) flush with the inside of the turnbuckle body.



The mechanism spring should expand.

Push the crank down and away from you to put tension on the mechanism spring.



Insert a 1" square block of wood into the space between the crank loop and inside handle bracket to hold tension on the spring.

Make sure the spring loops are inserted into the notches on each crank or it will slip out of position.



Switches are shipped from the factory with shrink tube or sleeving installed over the turnbuckle. Now is the time to make sure that is in place.

Connect the turnbuckle halves and begin turning the turnbuckle body until the block at the mechanism spring loosens up.

Remove the block when it is loose.





The turnbuckle should measure approximately 7-7/8" when properly adjusted. This measurement is taken from the center of the eyes of the turnbuckle. A visual check of the measurement may should be sufficient as it may be difficult to get an exact measurement when assembled.

Throw the switch handle back and forth to make sure the switch is working.

Examine the throw.

The strike of the movable contacts on the stationary contacts should be even and hit with equal pressure in both directions.



Fine tuning can be done by measuring the distance from the turnbuckle eye on the crank to the back of the switch enclosure. Ideally, this will be equal. The goal is to get equal pressure on the contacts. Small adjustments should be made to meet that goal.

If satisfied with the throw, then tighten the locking nuts. Adjust the sleeving or shrink tube the turnbuckle.

This procedure is completed and the switch should be ready for operation.