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	Rope Gripper® Pumping Unit Manual Valve Bracket Tab Adjustment	10/05/20	A	1 of 4	1188

# Adjustment of Manual Valve Bracket Tab

## For Auto/Manual Microswitch Assembly

**Models #620, #621, #622, #624, #625, #626, & #626SPL**  
**Hollister-Whitney “Rope Gripper®” & Pumping Unit**  
(Patent # 5,228,540)  
CSA Certification File #88181

**Issue:** It has been noted that a condition may exist that allows overly aggressive turning of the Switch/Valve Actuation (Eccentric) Cam in the Rope Gripper® Pumping Unit to overcome the resistance of the cam rest tab on the Manual Valve Bracket, which allows the Actuation Cam to turn past the tab thus reactivating the Dump Valve.

**Solution:** Decrease the distance to the Actuation Cam by decreasing the Tab Angle and thus limiting the travel of the Actuation Cam.



***BEFORE PERFORMING ANY MAINTENANCE ON THE ROPE GRIPPER®, TAKE ALL THE NECESSARY SAFETY PRECAUTIONS TO IMMOBILIZE THE CAR AND COUNTERWEIGHT DURING THE MAINTENANCE PERIOD TO PREVENT ANY UNINTENDED MOVEMENT THAT MAY RESULT IN INJURY OR DEATH!***




***BEFORE PERFORMING ANY MAINTENANCE ON THE ROPE GRIPPER®, REMOVE ALL ELECTRICITY FROM THE MACHINE AND BRAKES TO PREVENT ANY UNINTENDED MOVEMENT THAT MAY RESULT IN INJURY OR DEATH DURING THE MAINTENANCE PERIOD!***

***READ THE ENTIRE PROCEDURE BEFORE BEGINNING ANY OF THE STEPS OUTLINED BELOW. CONTACT HOLLISTER-WHITNEY WITH ANY QUESTIONS PRIOR TO BEGINNING ANY WORK.***

### **Warranty and Repair Information**

- All parts and equipment manufactured by Hollister-Whitney Elevator Company, LLC are guaranteed against defects in material and workmanship for a period of one (1) year from the date of shipment. Warranty covers only the repair or replacement of parts, F.O.B. our factory, upon determination by inspection at our factory that warranty is applicable. Equipment and components not of our manufacture are warranted only to the extent of the original manufacturer's warranty. Our warranty specifically does not include any other incidental liability or expense such as transportation, labor, and unauthorized repairs.
- Manuals, Parts Lists and Repair Information can be found at: <https://www.hollisterwhitney.com/support/>
- **For free technical support, contact Hollister-Whitney at 1-217-222-0466.** Technical support can also be reached at: [HW Product Support productsupport@hwec.com](mailto:HW Product Support productsupport@hwec.com)

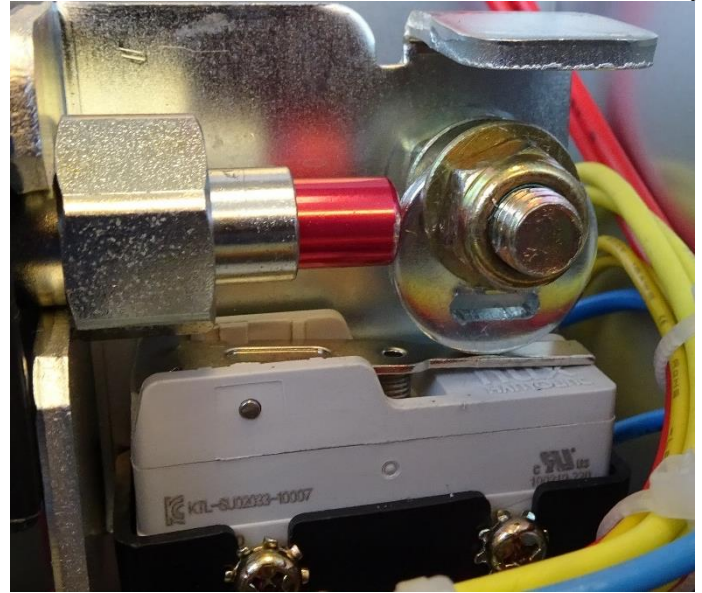
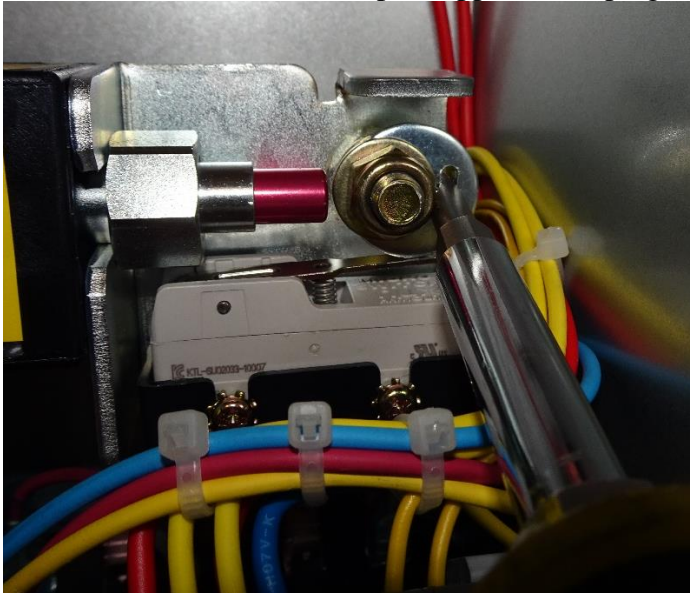
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## Tools Required

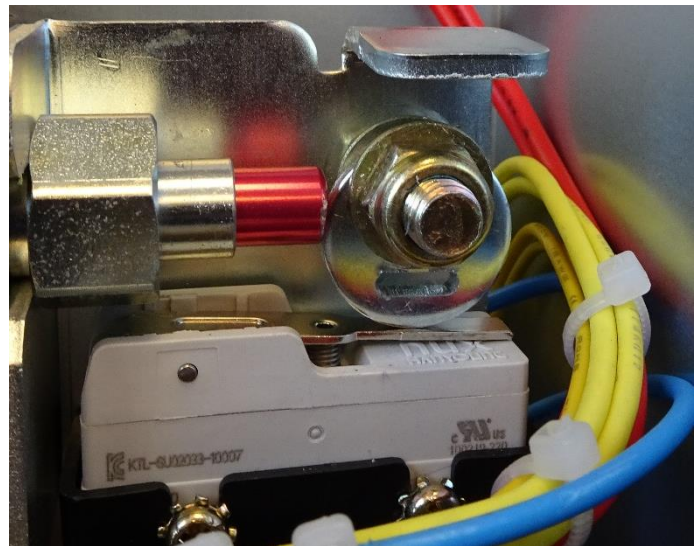
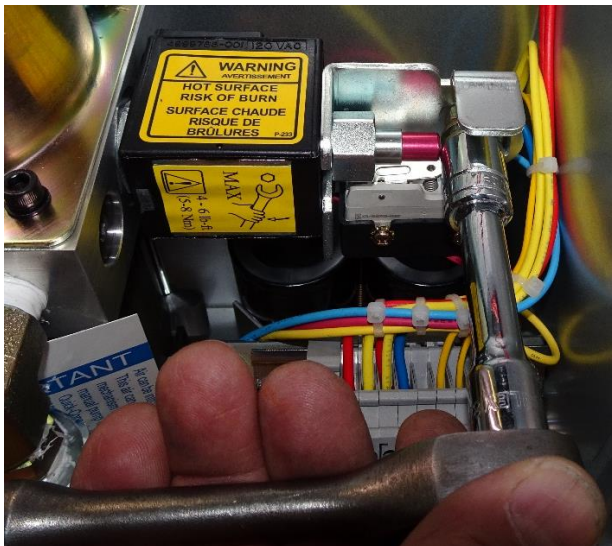
- Flat Blade Screwdriver
- ½” Socket, Socket Extension (3” Min.), Socket Wrench; Alternate, ½” Nut Driver
- Locking Pliers
- Tape Measure

## Procedure

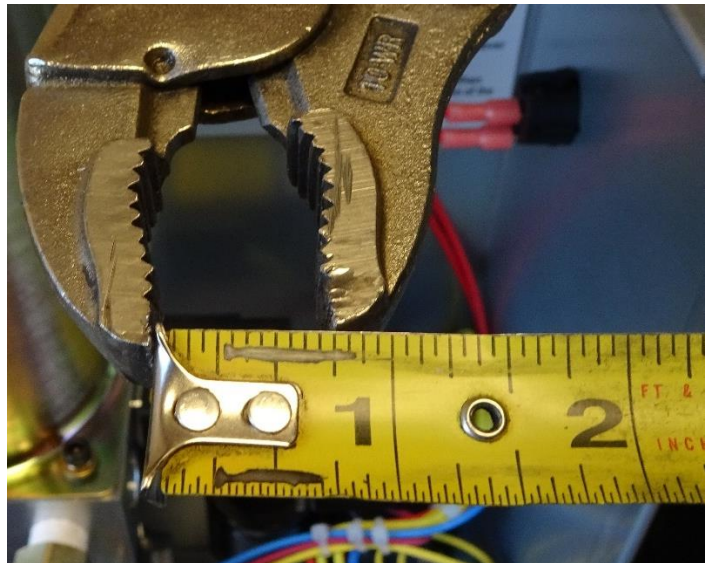
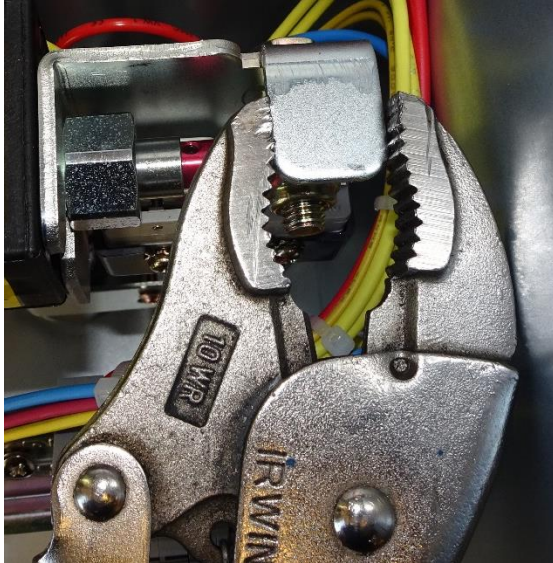
1. Remove cover from Rope Gripper® Pumping Unit and Locate the Auto/Manual Microswitch Assembly.



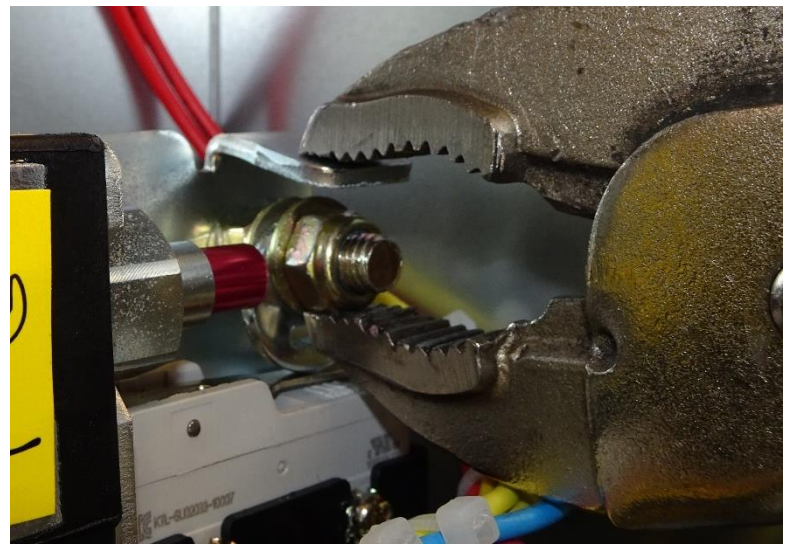
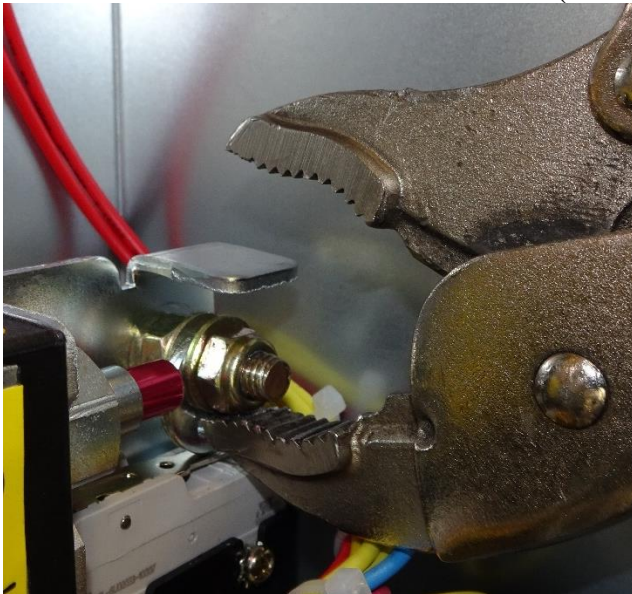
2. Using the Flat Blade Screwdriver, turn the Actuation Cam clockwise so that the Auto/Manual Microswitch is activated.



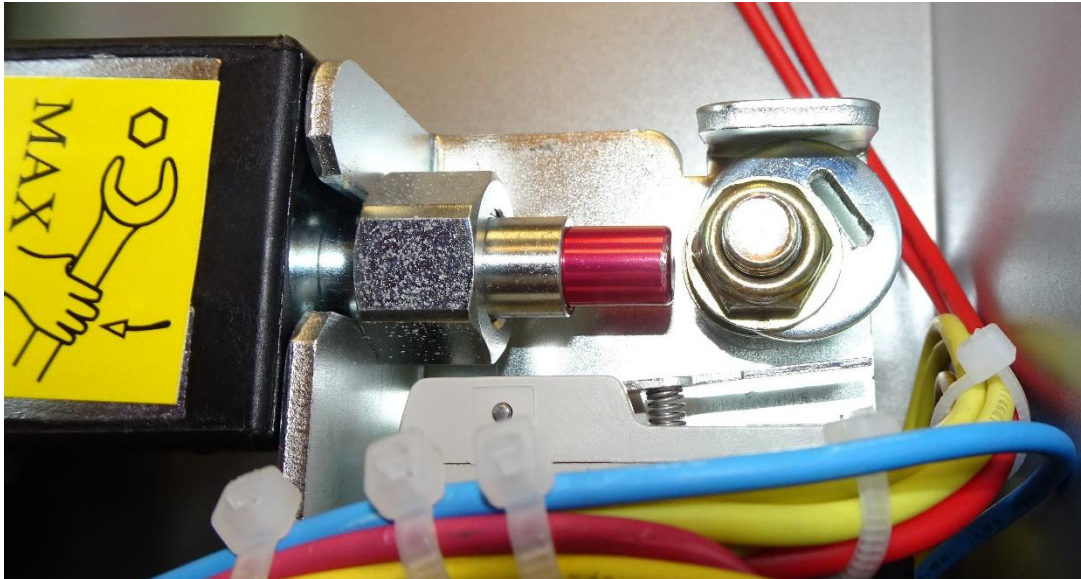
3. Using the ½” Socket or Nut Driver, turn (if necessary) the Locking Nut so that the top and bottom flats are horizontal, or parallel with the tab.



4. With the Locking Pliers handles closed (locked), adjust the open Jaws using the tab as a guide. This should be between  $13/16$ " and  $3/4$ " ( $0.8125$ - $0.75$ " wide).



5. Open Pliers and place top jaw under the flat of the Locking Nut and the lower jaw on top of the tab.
6. Squeeze handles to lock the Jaws in place. This will bend the tab down.
7. Unlock Jaws and remove Pliers.



8. Turn Cam up against tab, and confirm Actuating Cam does not activate the valve and does not activate the switch when resting against tab.
9. Confirm Rope Gripper® Pumping Unit is returned to Automatic (Cam against tab), ready for service and restore cover to Rope Gripper® Pumping Unit.
10. Follow all company Safety Procedures to return the car to service.