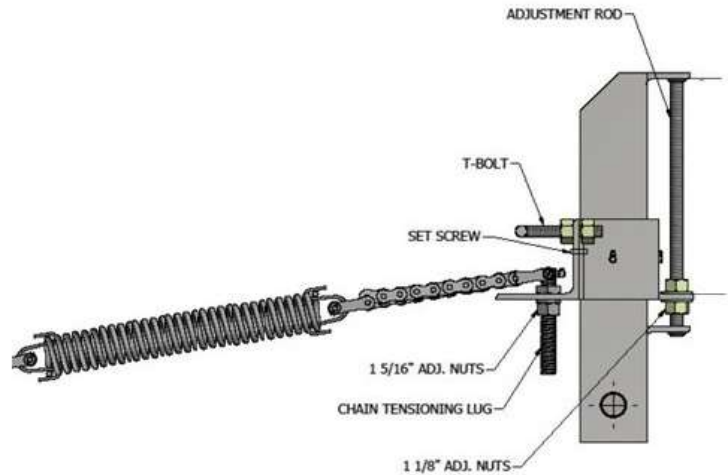


## Spring Change Instructions

### **VPG2490/VPG/L 24 (MAY 2009 to Present)**

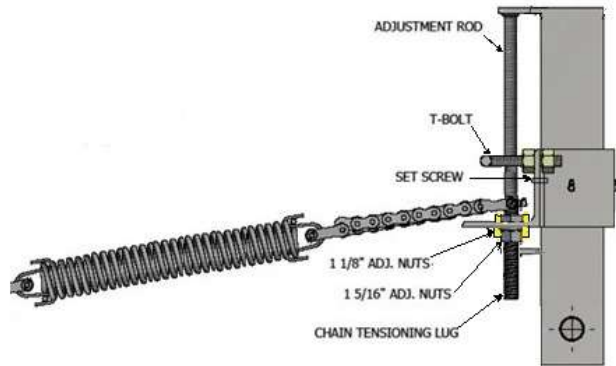
1. Place the gate in the closed position and install **T/M Safety Pin**. Tie a rope the length of the gate to the far end at the bottom.
2. **Turn the power off.**
3. Remove the **T-Bolts** (if applicable).
4. Remove the end panel for easier access.
5. Grease the **Slide Assembly**.
6. Loosen top  $\frac{3}{4}$ -**10 locknut** (use 1 1/8" wrench) on the **Adjustment Rod** and thread it to within **5"** of the top.
7. Remove the **T/M Safety Pin**.
8. On a **VPG 2490** Dis-engage the motor.
9. Raise the gate manually – **CAUTION!!**  
**The Slide Assembly will slam UP, STAY CLEAR!!**
10. Install the **T/M Safety Pin**.
11. Loosen the bottom **7/8-9 Chain Tensioning Nut** (use 1 5/16" wrench) and then remove the **Chain Tensioning Bolt**.
12. Remove the **Master Link** and /or bolts & replace the spring(s).
13. Replace the **Master Link**.
14. Secure the **Chain Tensioning Bolt** back to the original state and tighten it up.
15. Remove the **T/M Safety Pin**.
16. **CAUTION!!** Pull the gate down using the rope. *This will require TWO people on larger gates.* Make sure the **Linkage Arm** locks down to the physical stop.
17. Re-engage the motor for VPG2490.
18. Install the **T/M Safety Pin**.
19. Return 1 1/8" nut down to original location and reinstall the **T-Bolts**.
20. Grease all the remaining fittings.
21. Remove the **T/M Safety Pin**.
22. Adjust the balance and re-install end panel.



### **VPG/L 24 (APRIL 1998 to MAY 2009)**

1. Place the gate in the closed position and install the **T/M Safety Pin**. Tie a rope the length of the gate to the far end at the bottom.
2. **Turn the power off.**
3. Remove the **T-Bolts** (if applicable).

4. Grease the **Slide Assembly**.
5. Loosen top **3/4-10 locknut** (use 1 1/8" wrench) on the **Adjustment Rod** and thread it to within **5"** of the top. Remove the **T/M Safety Pin**
6. Raise the gate manually – ***CAUTION!! The Slide Assembly will slam UP, STAY CLEAR!!***
7. Install the **T/M Safety Pin**.
8. Loosen the bottom **7/8-9 Chain Tensioning Nut** (use 1 5/16" wrench) and then remove the **Chain Tensioning Bolt**.
9. Remove the **Master Link** and /or bolts & replace the spring(s).
10. Replace the **Master Link**.
11. Secure the **Chain Tensioning Bolt** back to the original state and tighten it up.
12. Remove the **T/M Safety Pin**.
13. ***CAUTION!!*** Pull the gate down using the rope. *This will require TWO people on larger gates.* Make sure the Linkage Arm locks down to the physical stop. **Install T/M Safety Pin.**
14. Return 1 1/8" nut down to original location & reinstall the **T-Bolts**.
15. Remove the **T/M Safety Pin**.
16. Grease all the remaining fittings.
17. Adjust the balance.



### 12V SYSTEMS (pre-APRIL 1998)

1. Place the gate in the closed position. Install the **T/M Safety Pin**.
2. ***Turn the power off.***
3. Remove the **T-Bolts** (if applicable).
4. Remove the end panel for easier access.
5. Using a U-bolt hook the come along to the middle of the chain. Hook the other end of the come along to a stable object keeping the come along in line with the springs.
6. Take up tension enough to relax the **Roller Chain**, remove **Master Link**.
7. Back off the come along to release tension on **Spring(s)**. Remove the come along from the chain.
8. Replace the **Spring(s)**.
9. Re-Hook the come along to chain. Take up tension enough to relax the **Roller Chain**.
10. Reassemble with a new **Master link**.
11. Re-install the **T-Bolts**.
12. Remove the **T/M Safety Pin**.
13. Grease all the remaining fittings.
14. Adjust the balance and re-install end panel.

