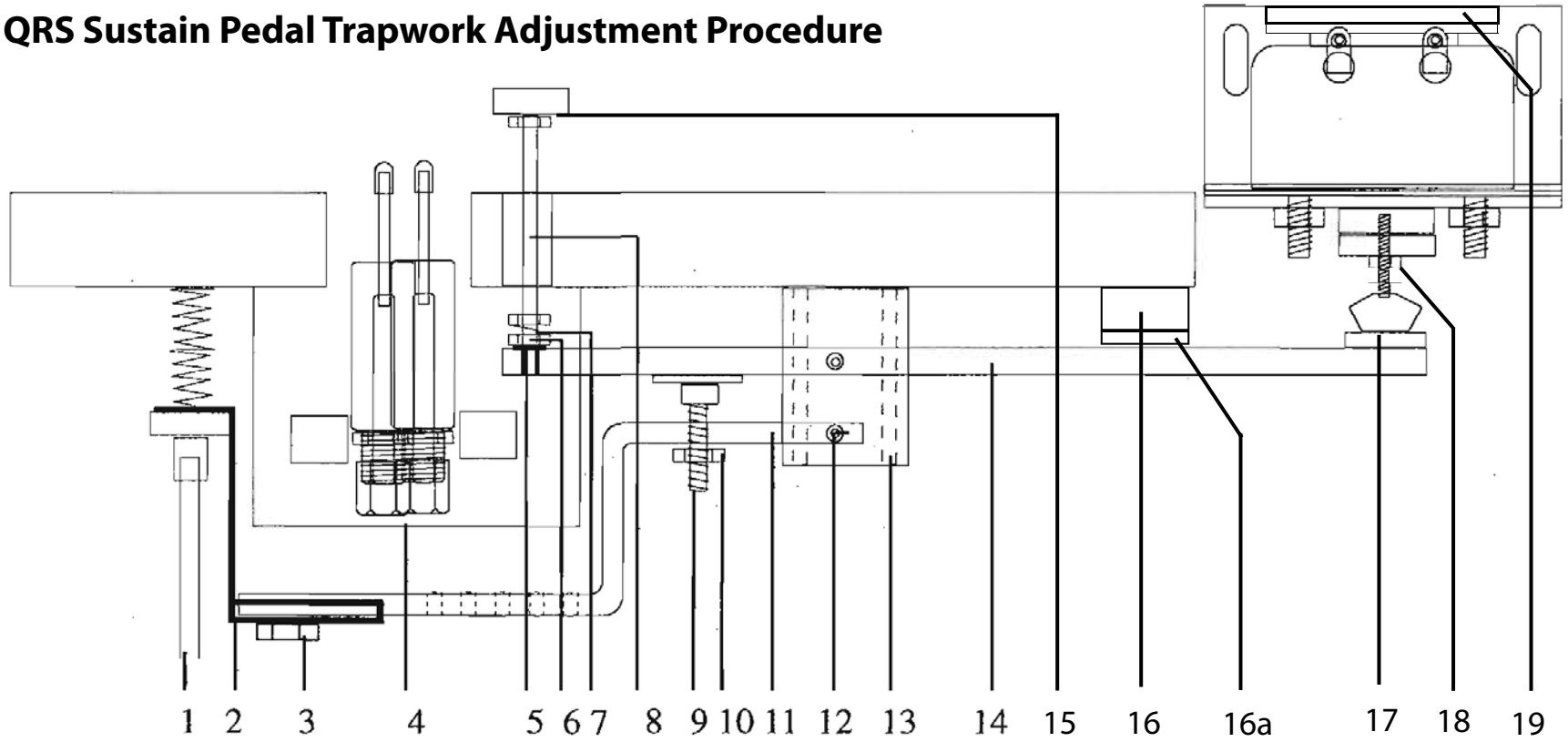
# QRS Sustain Pedal Trapwork Adjustment Procedure




1 Loosen *nut* **[10]** and turn *bolt* **[9]** counter-clockwise to move the bolt-head away from *"U-Shaped" lever* **[11]**. *We don't want any pressure on the straight lever while making the next few adjustments.*

2 With the *straight lever* **[14]** parallel to the keybed, attach a small *wood block* **[16]** (with *felt pad* **[16a]**) to the rear of the keybed as shown above. This "rest" block stops the rear section of the lever from going up beyond parallel as the weight of the damper tray pushes it down.

3 Verify that the top of *thread rod* **[8]** is inserted in the hole of the *damper tray* **[15]** and the bottom of the *thread rod* **[8]** is inserted in the hole of the *straight lever* **[14]**. Turn the *bottom nut* **[6]** of *thread rod* **[8]** to raise or lower the damper tray so that there is about 1/16' of lost motion between the damper tray and the damper flanges.

4 Loosen *bolt* **[3]** and center the top of the *"Z" bracket's* **[2]** section of the "U-Shaped" lever over the *sustain pedal rod* **[1]**. Verify that the assembled "U-shaped lever **[11]** clears the *rail cover* **[4]** then, tighten *bolt* **[3]**.

5 Adjust the *sustain pedal rod's* **[1]** adjustment *bolt* so that the "U-shaped" lever **[11]** is parallel to the keybed.

6 Turn bolt **[9]** clock-wise until the bolt-head is about 1/8" to 1/4" away from the straight lever **[14]**. *This will give the player some lost motion as the sustain pedal is pressed.* Tighten *nut* **[10]**.

7 Loosen *lock-nut* **[18]** and adjust *rubber-tipped bolt* **[17]** so that when *piston* **[19]** is pressed down, as far as it can go, the dampers lift just enough to clear the strings. Ideally, we want the piston to travel as little as possible. Tighten *lock-nut* **[18]** and test.