JAHN
PIANOTEILE

Model Adjustment

Adjustable Grand Action Model

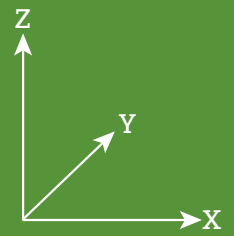


There are many adjustments on this model and most of them affect others, so have a plan to go back and readjust them as needed. Listed below are all the adjustments; this is not intended to be an order in which to set up the model.

The terminology to explain the model movements is based on the three dimensional Cartesian system. Movements left and right are "X" movements, movement toward and away are "Y" movements, and movements up and down are "Z".

1. Vertical action slide: This piece slides in Z on the back of the model.
2. Rep rail X-Z and Shank rail X-Z
   a. Action rail horizontal slide: This piece sides in X and is mounted on the Vertical action slide.
   b. Action rail vertical slide: This piece slides in Z and is mounted on the Action rail horizontal slide.
   c. The Rep. and Shank rails are attached to these two sub assembly's.
3. String height slide assembly: This block slides in Z on the back of the model.
4. Entrance height slide assembly: This block slides in Z on the back of the model.
5. Key slide back rail assembly: This assembly slides in X,Y,&Z the assembly moving in X along the base front. A fine adjustment is attached to the Z movement.
6. Key slide balance rail assembly: This assembly slides in X,Y,Z, & X2 the assembly moving in X along the base front. A fine adjustment is attached to the Z movement.
7. Key slide front rail assembly: This assembly slides in X,Y, & Z the assembly moving in X along the base front. A fine adjustment is attached to the Z movement.
8. The X2 movement described in this assembly is used to create a different balance location under the Key essentially changing the key proportion.
9. Sliding capstan: This is an add-on to the key and can be held in place by the original capstan or a screw to create a new location of the capstan. It is off to the side of the key and requires some re-adjustment of the key and back-check but again changes the key proportion.

The list of movements results in 18 movements.



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