If the rudder is angled off to the left carefully remove the clevis from the control horn and screw it ‘in’ (clockwise) one half to one full turn then insert the pin back into the outermost hole in the control horn. Or, if the rudder is angled off to the right carefully remove the clevis from the control horn and screw it ‘out’ (counter-clockwise) one half to one full turn then insert the pin back into the outermost hole in the control horn.

View the vertical tail and rudder from directly above again and continue adjusting the length/position of the pushrod / clevis until the rudder is centered appropriately.

NOTE: You should always rotate the clevis until the pin is perpendicular with the control horn to ensure the pin is not under any excessive load/ pressure when inserted in the hole and during operation. In some cases it may not be possible to ‘exactly’ center the surface mechanically while properly aligning the pin. In these cases be sure the pin is properly aligned then adjust the position of the trim lever slightly as needed. Also, it will likely be necessary to make further adjustments to the position of the trim lever during flight as most surfaces do not end up in exactly the centered position when an airplane is trimmed properly for actual flight (but ‘centered’ is still the best starting point).

Follow the same steps outlined for centering the rudder to center the elevator (and aileron) as well.

Also, we strongly recommend installing the included ‘clevis keepers’ to provide added security for the clevises. Typically you can carefully slide the keepers over the clevises when they are not connected to the control horn. Then, after connecting the clevis to the control horn and ‘snapping’ the clevis together you can slide the keepers into a position that does not allow them to ‘bind against the control horn during movement of the surface.