

## Procedure 7.020 Rudder Rigging

*In this procedure...*

The rudder stop will be installed and the rudder installed. The aft rudder push/pull tube will be connected to the rudder horn and aft rudder bellcrank.

### Parts Provided in Prior Procedure.

#### Step 1. Set Rudder Pedals.

Set rudder pedals in neutral position. Adjust cable length so that the Aft Rudder Bellcrank is in the neutral position. (90° to fuselage centerline)



#### Step 2. Install Rudder Stop

Maximum Rudder travel is 25° to the left and right. Install the rudder stop block on the center hinge as shown in the picture at the right.



**Step 3. Install Rudder and Rudder Push Pull Tube.**

Install the Aft Rudder Push Pull Tube onto the Rudder Horn. Drill the Rudder Push Pull Tube Pass Through hole through the rudder aft shear web. Place the Push Pull Tube through the hole and install the rudder on the vertical stabilizer. Attach the push pull tube to the aft rudder bellcrank and insure you have clearance through out the range of rudder travel. Adjust the length of the rudder push pull tube so that the rudder is in the neutral position. Once set, tighten the lock nuts and torque all bolts. **Check to insure cotter pins are installed rudder hinge bolts.**

