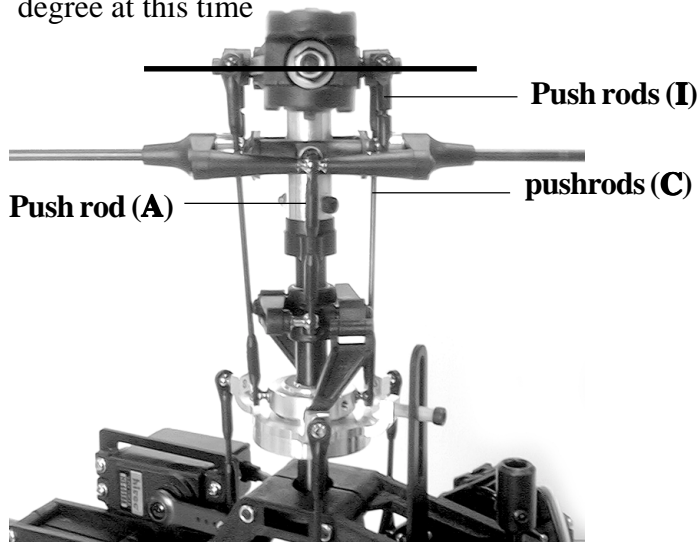


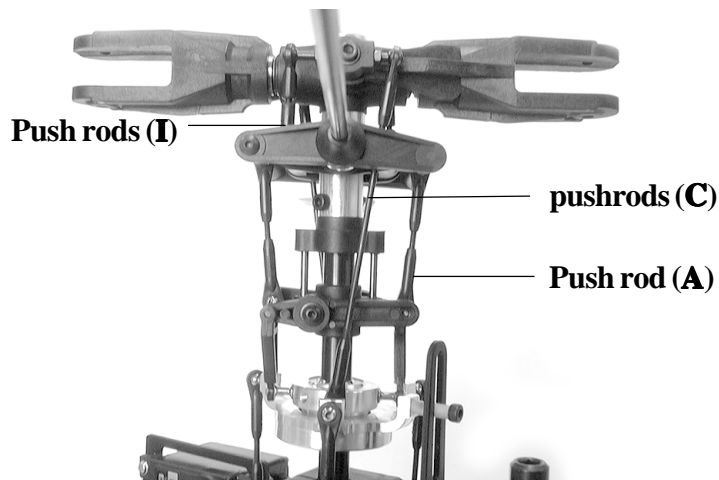
Step 42 Rotor Head Linkage

Blade grips shown '0' degree at this time



- 2 Flybar to Washout pushrods (A),
- 2 Bell Mixer to Seesaw pushrods (I),
- 2 Bell Mixer to Inner Swashplate pushrods (C),

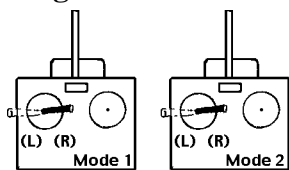
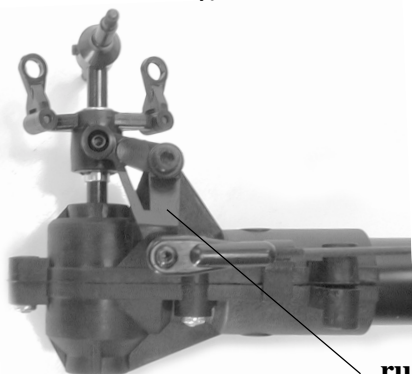
When attaching all pushrods, make sure same length pushrods are actually the same length from the beginning otherwise it will be difficult later to figure out where the linkage problems are coming from. Attach the following:



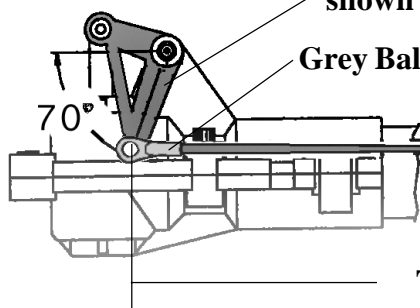
Step 43 Rudder Linkage

The Rudder linkage changes the pitch of the tail rotor blades to increase or decrease the torque compensation to rotate the nose of the helicopter about the main shaft.

Use a servo horn in the shape of a cross and trim the 3 of the 4 arms off. From Bag 4: Install one steel ball and one 2mm nut at a distance of 12-14mm from the center of the servo remember to use threadlock. The Rudder Pushrod (G) will at this point be installed with one grey ball link at the tail gearbox and one black ball link at the servo end. Having the radio on and the rudder trim centered press on the servo horn onto the servo set at 90 degrees to the servo and adjust the length of the pushrod to align the rudder bellcrank to 70 degrees as shown in the diagram.



As the rudder stick is moved to the right, the rudder pushrod will move forward increasing the thrust in the tail blades rotating the nose to the right.



Grey Ball Link

Black Ball Link

Servo set at 90 degrees

Tail Pitch Control Rod & Connector
R30 is 763mm c/c, R50 is 823mm c/c