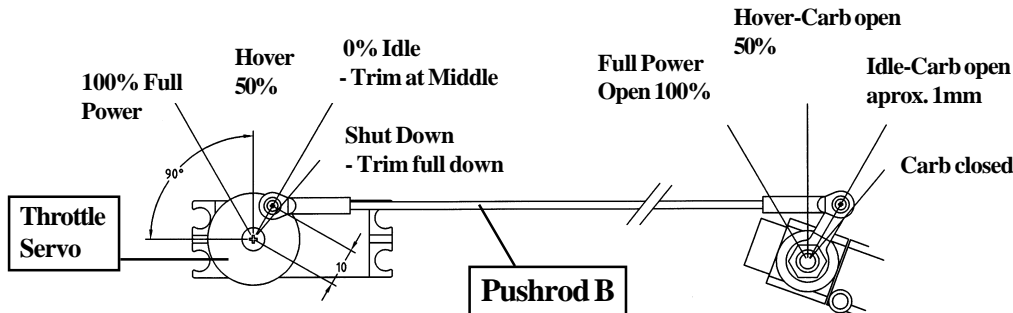


Step 44 Throttle Linkage

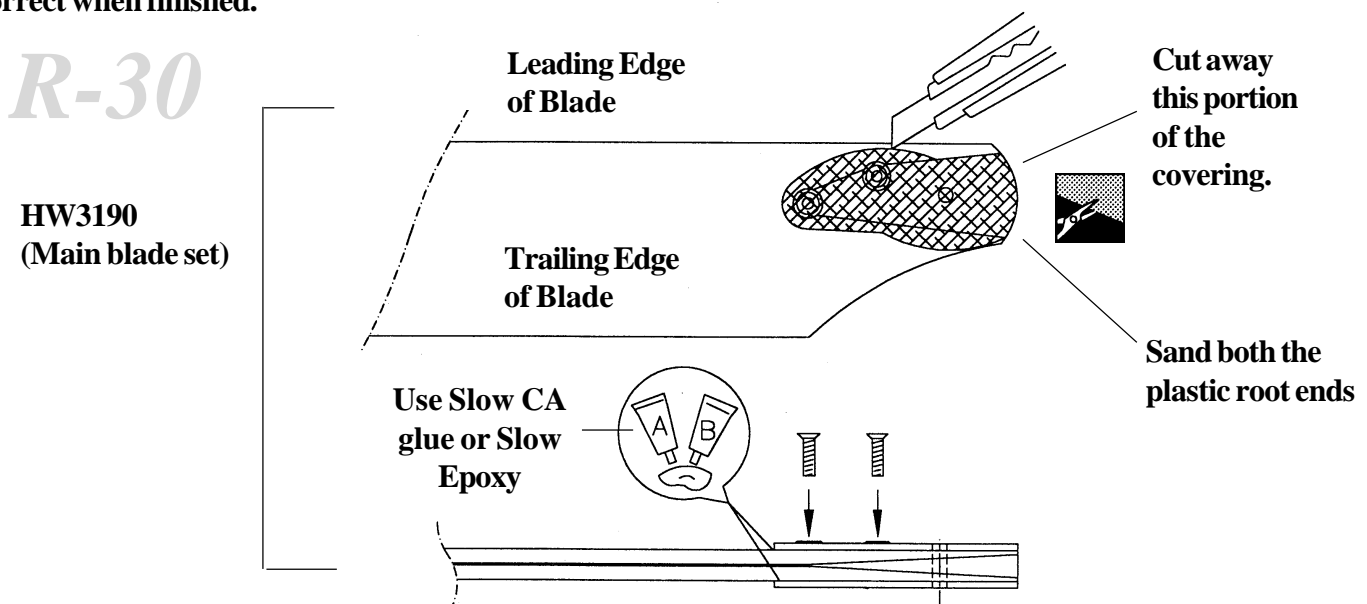
From Bag 4: Attach one steel ball and one 2mm nut, to both the Throttle servo horn and the Throttle Extension from Step 18 using threadlock. Position the ball at 10mm from the center of the servo and in the outermost hole on the metal throttle arm. With the radio on, and the throttle stick centered and the trim in the center, press the servo horn onto the servo so the ball is at 90 degrees to the servo (the hovering position). Move the throttle stick to the low/idle position and press the Throttle Pushrod (B) onto the steel balls. Check that in the low position the carburetor has about a 1mm wide opening for idling and finally as the trim is moved fully down the carburetor closes completely to shut the engine off. Also check that in the high position the carburetor is fully open. The throttle extension nut may have to be loosened and the lever repositioned to operate as recommended.



Tip Pushrod B will vary in length slightly as the position of the carburetor is different for each engine manufacturer. Following the above instructions will allow you to get the carburetor setup correctly.

Step 45A Aerotech Main Blade Assembly - Raven 30

The Main Rotor Blades in the Raven 30 kit are pre-built and balanced, the only work required is to glue the blade grip root ends to the blades (**Please note that this step is necessary to insure the blades will not separate from the helicopter during flight!!**). Temporarily install the root ends (see note) onto the blades by cutting the covering over the holes and using a pencil, mark the outline of the plastic parts on the covering. Remove the root ends and mark a second line about 3mm inside the first and trim away this inside portion of the covering with a sharp hobby knife. Using some sandpaper roughen the plastic root ends and glue them in place with Slow CA or slow Epoxy glue. Install the blades onto the rotorhead to dry. This will ensure the thickness is correct when finished.



Note: The plastic root ends have a top and bottom which are different when viewed from the large end. Test fit the parts to be sure that the total thickness of the blades is 12mm. The 3mm brass tube and four M4x20 flat washers are not needed on the helicopter.