

Century Universal Torque Tube Drive Instructions

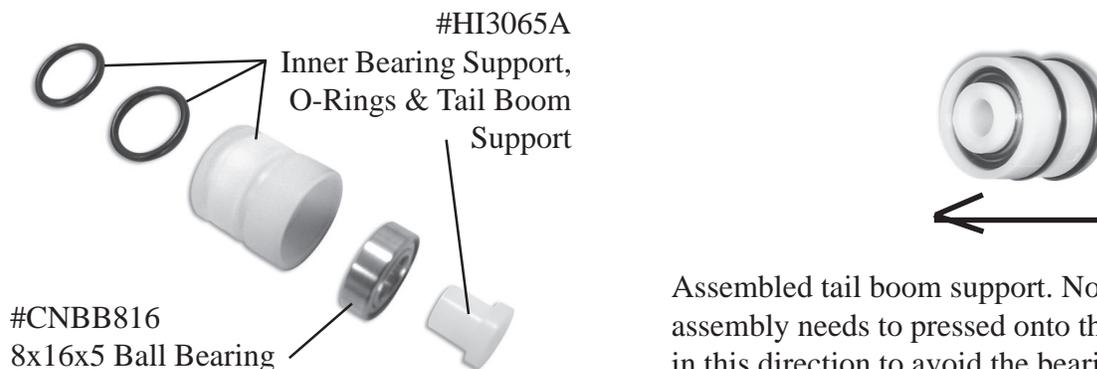
#CN0507

Complete the fittings on one end, then measure and cut the carbon tube and finally complete the other end after the bearing support assembly is installed.

1. Prepare the carbon torque tube by sanding the last 20mm of the outside where the brass sleeve will be bonded. Lightly sand the contact surface of the male fitting and the inside surface of the brass tube.
2. Press the brass tube onto the carbon tube, apply JB Weld inside the carbon tube and to the outside. Install the male inside fitting, pressing fully into the end and then slide the brass tube up to the male fitting. Complete only one end at this time.



3. Having completed one end, measure and cut the tube to fit your helicopter. Cut the tube by wrapping with masking tape and use a moto-tool with a cutoff wheel.
4. Prepare the tail boom support by inserting the inner bearing support (smaller plastic part) inside the ball bearing and insert into the tail boom support. Install the rubber o-rings to the outside of the tail boom support. Press the assembled unit onto the carbon tube (can only be pressed on one way) and position in the center of the tube.
5. After the other end is installed. Apply light oil to the o-rings and press (can only be pressed in one way) into the tail boom. The female torque fittings are to be fitted to 5mm input and output shafts which may need to be adapted for your particular helicopter.



Assembled tail boom support. Note that the assembly needs to be pressed onto the carbon tube in this direction to avoid the bearing sliding out of the tail boom support.

We recommend that the bearing be oiled every 20 hours of flight.