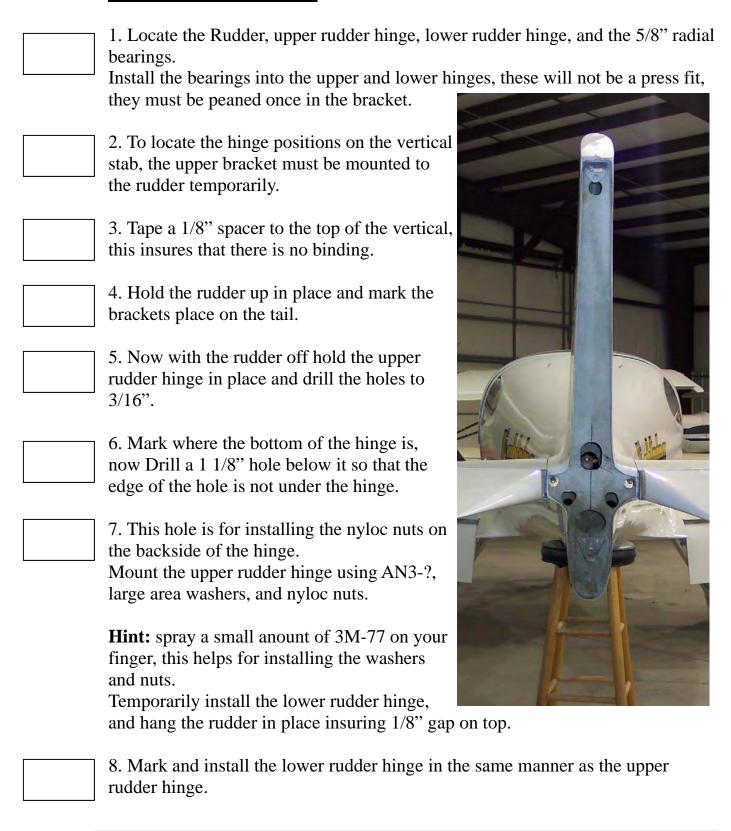
23. Rudder Hinge Installation



Rudder Hinge Installation



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23. Rudder Hinge Installation



Rudder final Installation

Required Items: Rudder, Rudder cables short, turnbuckles, AN3 bolts, short piece of 1/4 fuel line, AN5 bolts and hardware, safety wire, jamnuts.

- 1. Bend 2 more u brackets from the "pulley tangs" in the kit.
- 2. Install these brackets with 10-32 screw and some loctite into the nut plate in the rudder.
- 3. Install the rudder cable to the bracket with the correct AN3 bolt, use a short piece of 1/4 fule line top and bottom to cushion the cable in the bracket.
- 4. Install the rudder and slide the cables thru the holes in the aft vertical spar.
- 5. Bolt in place with AN5 bolts and nylocs, you may use castle nuts and cotter keys if you like.
- 6. Repeat for the lower bracket.
- 7. Use a piece of scrap wood to block both pedals straight, or in the neutral position.
- 8. Also tape the rudder in the neutral position.
- 9. Locate the turnbuckles.
- 10. These are a stock item from aircraft spruce, and must be modified slightly to the correct length.
- 11. Cut 1/2" of both ends of each part.





- 12. Thread the cables into the turnbuckles, one end is a left threaded cable to match the turn buckles.
- 13. Tighten down, when you pull up on them they should feel the same.
- 14. Tighten the jamnuts once satisfied.
- 15. Use the aircraft spruce book for the proper safety wire technique for these turnbuckles.



