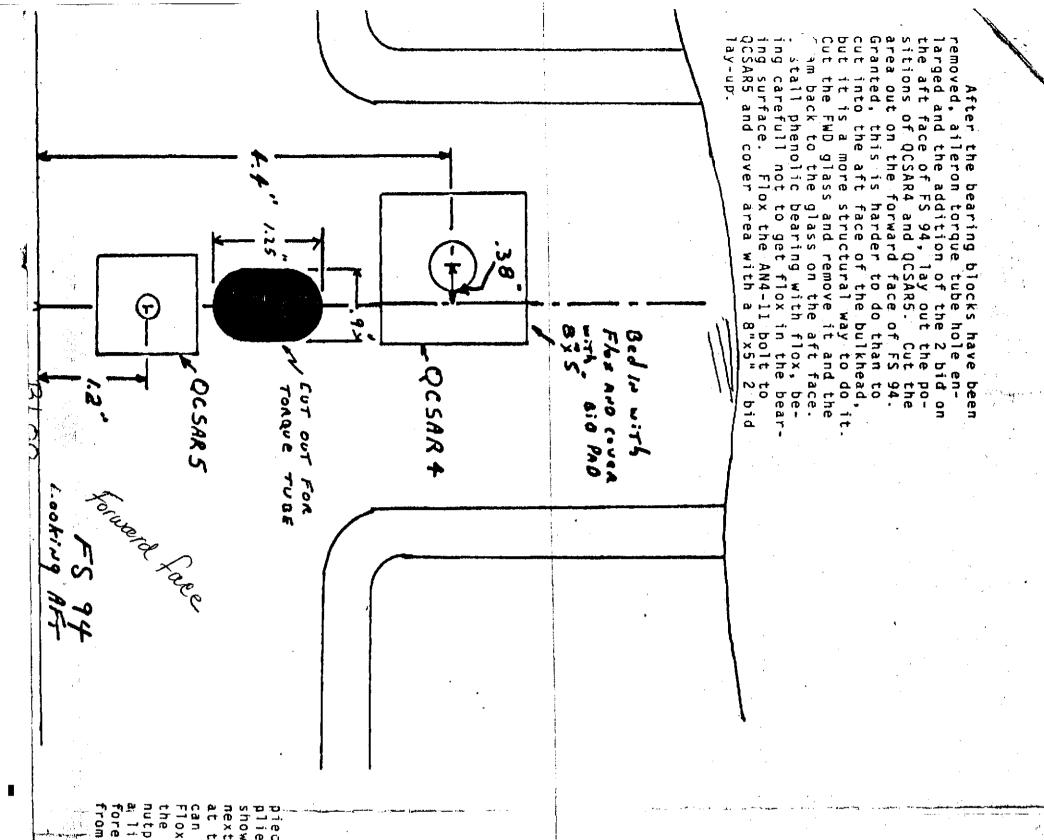
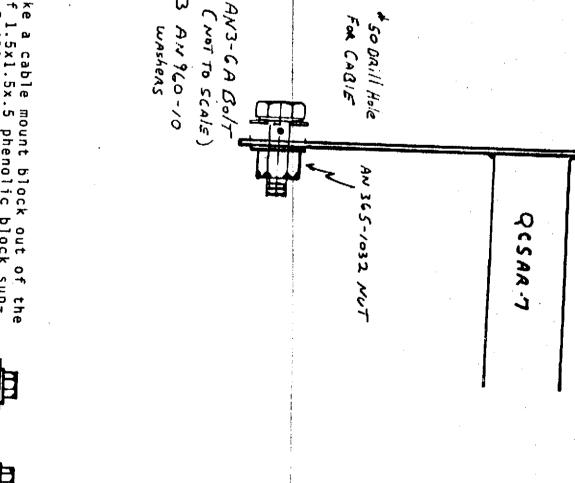
nvolves these basic steps: The net effect of being able to change aileron settings in flight enables the pilot to fine tune the aircraft's flight and cg conditions. and landing attitude for various weight pull tubes are moved up and down. This will cause deflection of the aileron torque vertically by a cam. and replaced by a bearing that is displaced aileron torque tube bearings are removed cated on the FS 94 bulkhead. versal joints. the aileron torque tube and vertical pushby changing the length of the stroke of fatigue of the tube, and the use of tube over it's entire the vertical push-pull aileron tubes lofaired setting of the ailerons in flight o a setting below and above the neutral etting (0°) of the ailerons. It does s reduce trim changes due Study the plans and read the instrucfirst. Description: activate the reflexer. Check out of blocks, QCSAR4 and each side in the local the addition The assembly and installation of the reflexer and the adjustment of the vertical push-pull tubes from he installation of ocation installation of the cable to reflexer removal of the Q2CS1 bearings Basicall it functions as designed, and not rub or bind on anything. cranks. 94 bulkhead. Also, the system to make y the As the cam is rotated length, unload installation 94 bulkhead and Q2CSA4 aileron two phenolic 0 eliminating The basic reflexer It does so the proper Je Is Inside 司のア the bottom Fuselage Bottom goes travel AN 4-11 Belt **27**534 the hole. S YYSOD the FS 94 BUIK HEAD GREASE eron reflex DC SA 3 品 75710 A A# 760-10 **Uncleas** rocs T SWSJC 3) AN 17. SCACE CASTL AN 31 シャシ 0 OECSA4 12 14-06+ NA





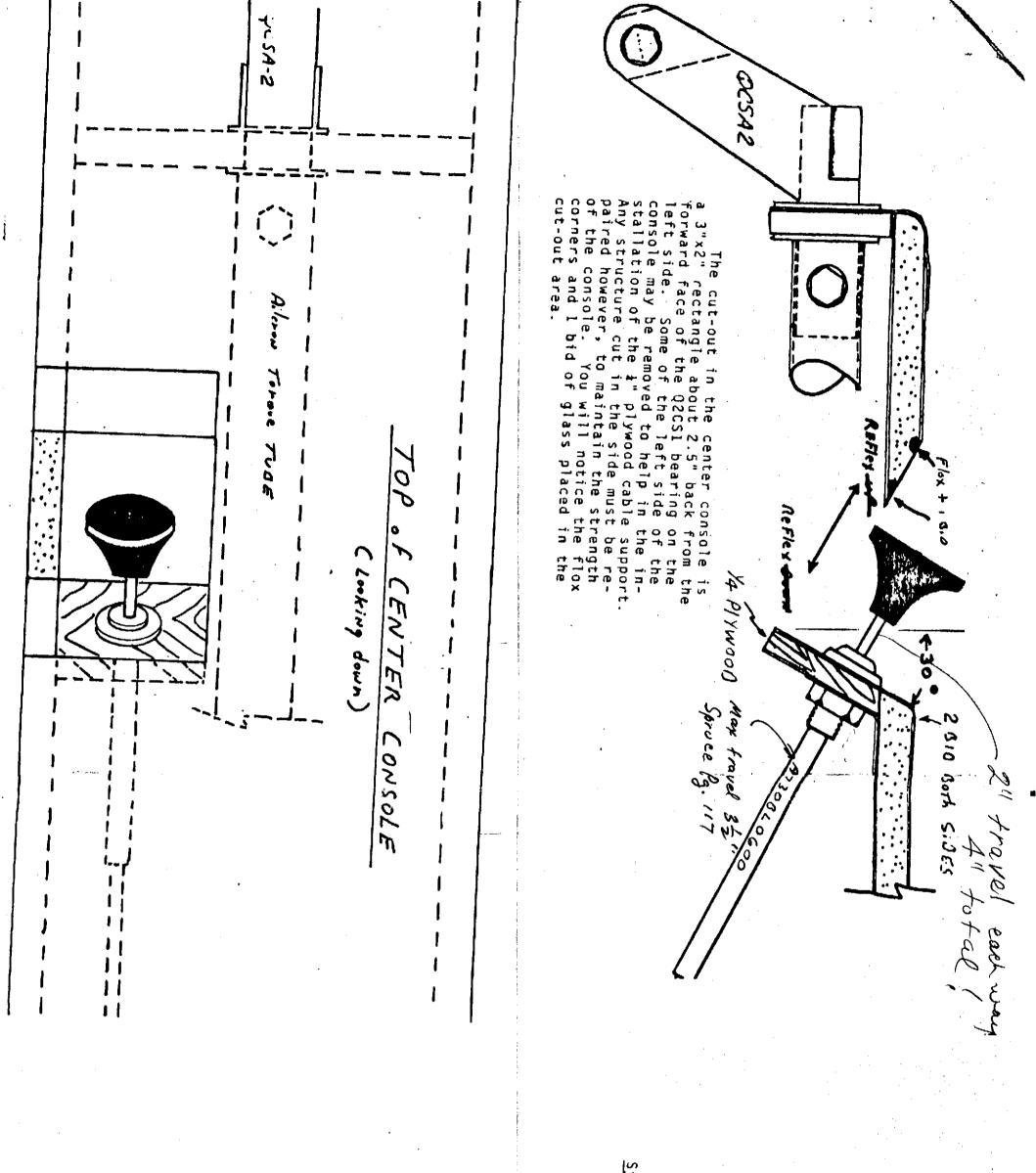
Drill #50 hole 1" back from the bolt head. After cable housing is clamped in place and cable wire is locked in the bolt give the wire a 90° bend at where it comes thru the bolt to keep it from pulling out if the bolt should come loose.



Make a cable mount block out of the piece of 1.5x1.5x.5 phenolic block supplied. Drill the 3/16 hole at the angle shown and drill the two 3/16 bolt holes next. Using a fine hacksaw, cut the block at the angle shown. A small rat tail file can be used to adjust the cable hole size. The nuts on the bottom, they will act as nutplates when the flox is cured. Wipe a little grease on the bolt threads before installation so they will release from the threads after flox has cured.

AN365

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System Check-Out:

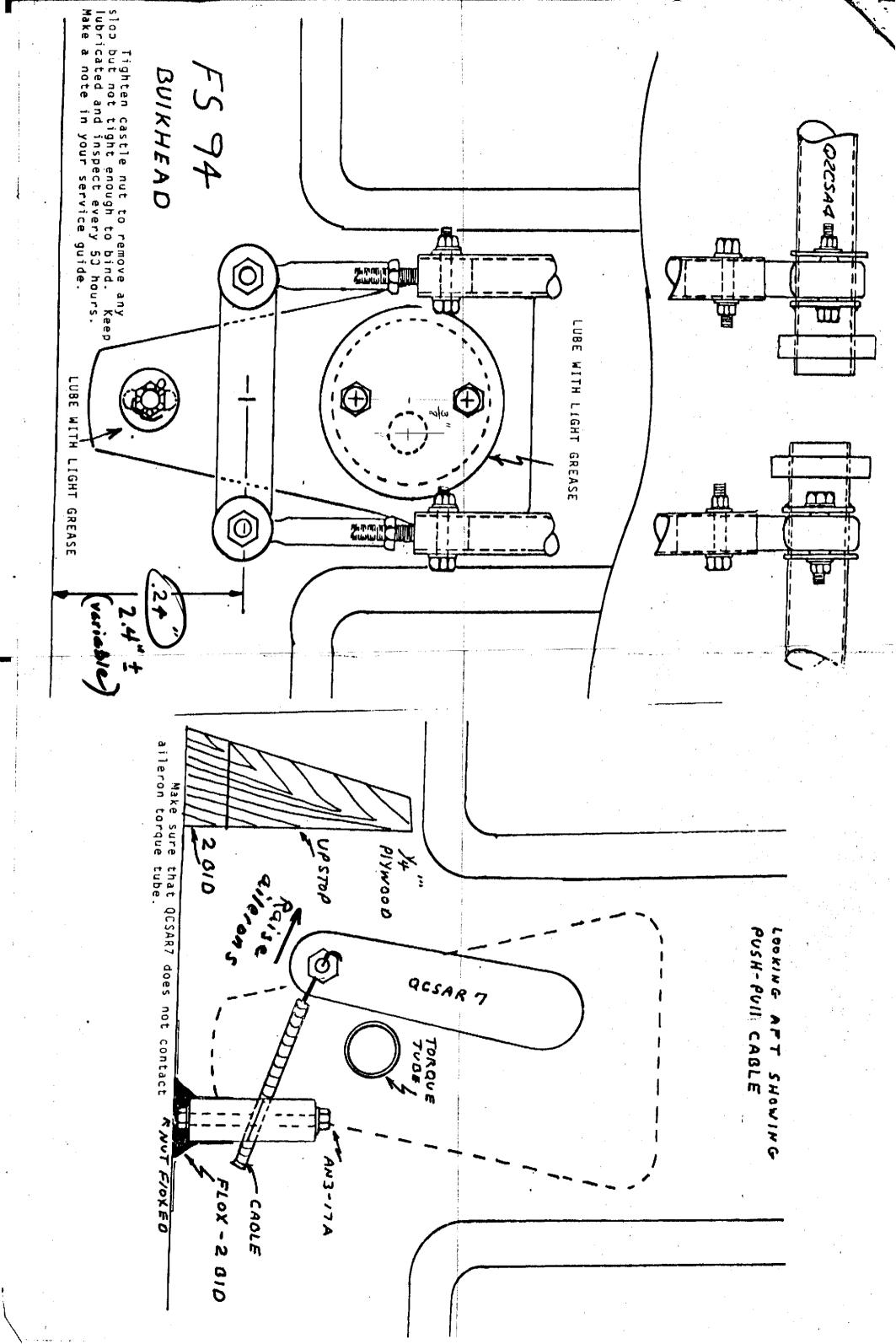
ystem Check-Out:

Check ailerons for freedom of

- Check to see that the aileron torque tube does not hit or rub along it's length in any reflex position.

 Examine torque tube for nicks, reflexer unit. operation in all reflex positions. Check reflex 2° down max. 6° up lube the aileron bearings and the
- with aluminum oxide cloth, badly nicked or scratched tubing should be replaced. If the aircraft is kept in a damp environment, tube should be cleaned and painted with zinc chromated paint inside and Examine torque tube for nicks, scratches or dents. A light nick or scratch should be dressed out
- Aileron control stops should be added at the top stroke of 02CSA4 bellcrank. Use 1" plywood floxed on with 2 bid each side.
 Call on the Builder Hotline if you have any questions in this system. regard to

<u>,</u>



4/16 ×332 Looking aft Inside fuselage Mike Dainn

