

NOSE CONE INSTALLATION NOTES:

- BEFORE NOSE CONE INSTALLATION, BELLY SKINS MUST BE PERMANENTLY INSTALLED AND LEFT SIDE WINDOW SHOULD BE PRE-FIT.
- CLEAN ALL ROUGH EDGES ON THE NOSE CONE.
- REMOVE NOSE FORK FROM FUSELAGE.
- SLIDE NOSE CONE ONTO FUSELAGE. NOSE CONE SHOULD BE FLUSH AGAINST THE BOTTOM FUSELAGE TUBES AND EXTEND PAST THE FUSELAGE HOOP. ENSURE THAT THE NOSE CONE IS STRAIGHT ON THE FUSELAGE AND CLAMP IN PLACE.
- IF NOSE CONE DOES NOT SLIDE OVER FUSELAGE HOOP, MAKE A CUT ALONG THE BOTTOM CENTER OF NOSE CONE, STAYING WITHIN THE CUT OUT AREA.
- TRACE THE INSIDE EDGE OF THE BOTTOM FUSELAGE TUBES AND NOSE FORK BUSHING ONTO NOSE CONE.
- REMOVE NOSE CONE FROM FUSELAGE AND CUT OUT SECTION OF NOSE CONE ALONG THESE LINES.
- USING PLIERS, BEND 90° ANCHOR NUTS TO FIT FUSELAGE TUBES AS SHOWN IN FIGURE "A".
- MARK FORWARD HOOP AND TWO BOTTOM TUBES ALONG 4" CENTERS, OFFSET FROM OTHER RIVET PATTERNS IN THE HOOP AND TUBES.
- DAMPEN NOSE CONE ALONG ATTACHEMENT AREA WITH A WET RAG.
- HOLD FASTENER IN POSITION ON FUSELAGE TUBE INSIDE OF THE NOSE CONE. ONCE NOSE CONE IS DAMPENED, FASTENER SHOULD BE VISABLE THROUGH NOSE CONE.
- DRILL THROUGH WITH A 1/16(.0625 DIA.) BIT.
- REMOVE FASTENER AND FINISH HOLE WITH A #29(.136 DIA.) BIT.
- ATTACH FASTENER TO NOSE CONE WITH AN 8-32 SCREW AND TO FUSELAGE BY DRILLING #40(.083 DIA.) THROUGH FASTENER AND FUSELAGE AND RIVETING WITH NOSE CONE SD32BS RIVET.
- REPEAT PROCESS AT EACH 4" CENTER.
- TRIM ALUMINUM NOSE CONE SKIN TO FIT OVER THE TWO BOTTOM FUSELAGE TUBES AND NOT INTERFERE WITH NOSE FORK MOVEMENT. DRILL #30(.1285 DIA.) HOLES @2" O.C. OFFSET FROM NOSE CONE FASTENERS AND RIVET WITH SD42BS RIVETS. NOSE CONE SHOULD OVERLAP ALUMINUM SKIN, GAP SEAL AS DESIRED.

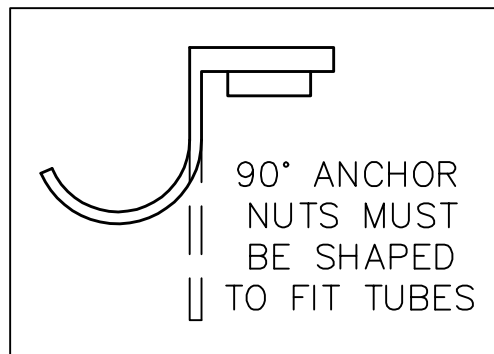
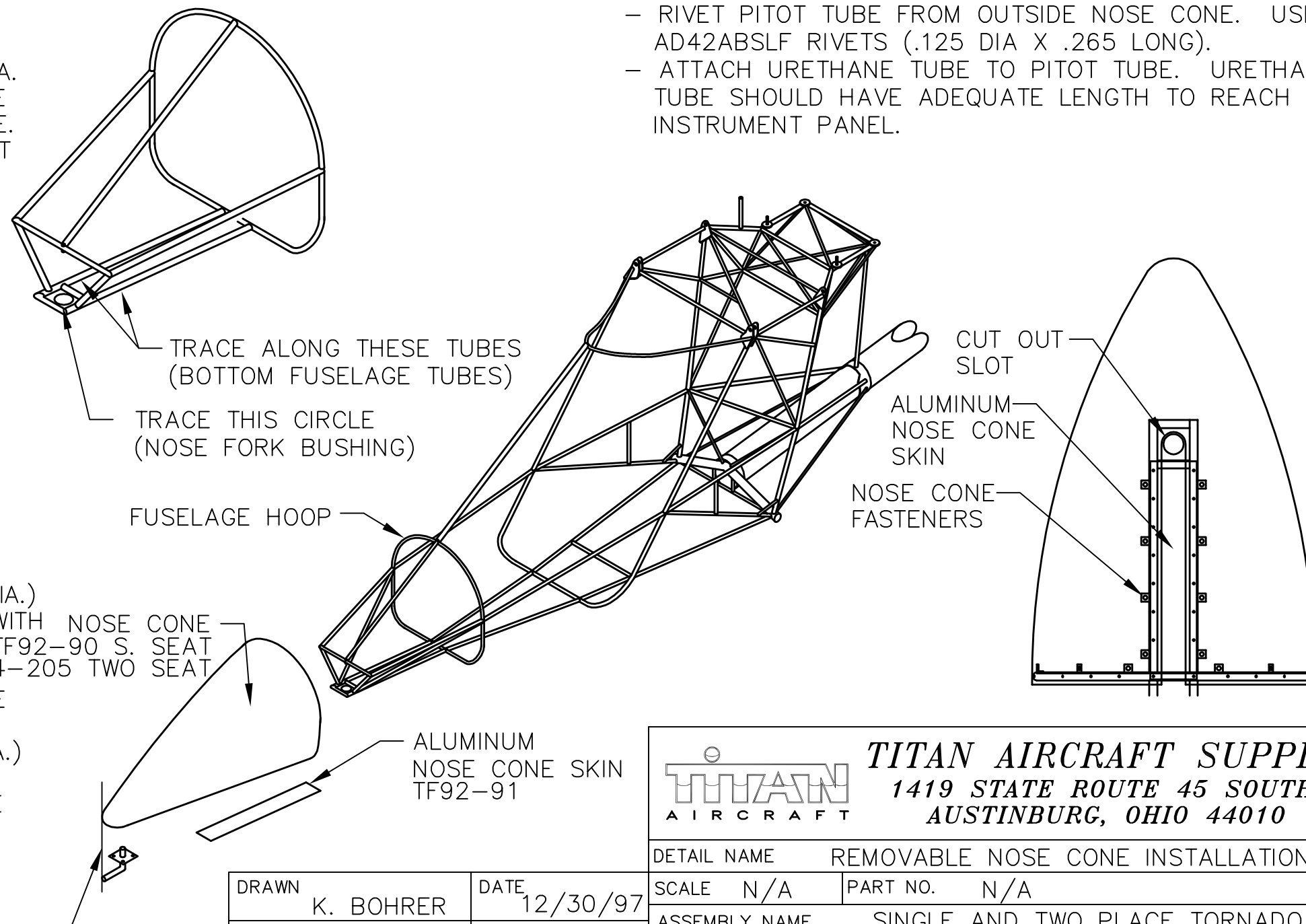


FIGURE "A"



PITOT TUBE INSTALLATION:

- PITOT TUBE MUST BE CENTERED ON NOSE CONE.
- TUBE SHOULD NOT EXTEND BEYOND FRONT OF NOSE CONE.
- DRILL .250 INCH DIA HOLE THRU NOSE CONE FOR PITOT TUBE INSERTION.
- DRILL (4) #30 DRILL (.1285 DIA) MOUNTING HOLES THRU NOSE CONE. USE EXISTING HOLES IN PITOT TUBE AS A GUIDE.
- MOUNT PITOT TUBE FROM INSIDE NOSE CONE.
- RIVET PITOT TUBE FROM OUTSIDE NOSE CONE. USE AD42ABSLF RIVETS (.125 DIA X .265 LONG).
- ATTACH URETHANE TUBE TO PITOT TUBE. URETHANE TUBE SHOULD HAVE ADEQUATE LENGTH TO REACH INSTRUMENT PANEL.

PITOT TUBE SHOULD NOT EXTEND BEYOND NOSE CONE.
TF92-129

TITAN AIRCRAFT		TITAN AIRCRAFT SUPPLY	
1419 STATE ROUTE 45 SOUTH		AUSTINBURG, OHIO 44010	
DETAIL NAME		REMOVABLE NOSE CONE INSTALLATION	
SCALE	N/A	PART NO.	N/A
ASSEMBLY NAME		SINGLE AND TWO PLACE TORNADO	
PART NO.	N/A	DRAWING NO.	
DRAWING NO.		B 97-INS-0936-B	

DRAWN	K. BOHRER	DATE	12/30/97
CHECKED	R. INGLE	DATE	5/1/01
APPROVED	J. WILLIAMS	DATE	5/1/01

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