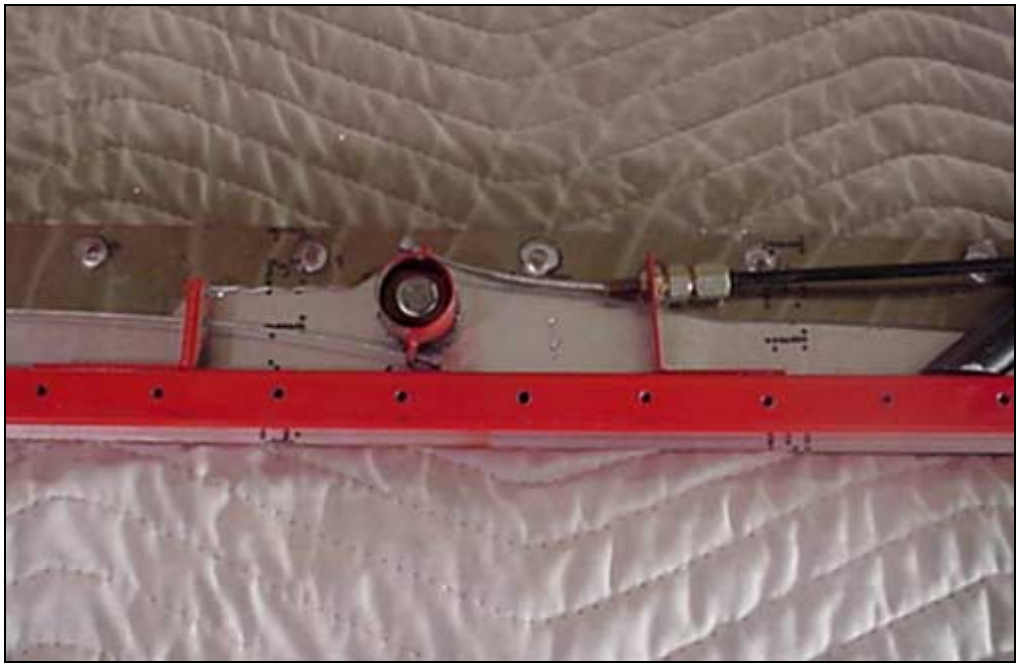
Section 6-C-4: SCREWS / HANDLE / SEAL

Canopy assembly un-hinged from fuselage.

External Handle
80625A36

In the closed position, the dot on the external handle is towards the front, the handle is horizontal



Handle Cable Connector
6C4-3

Drill a 1/16” in each wing-lets for the cable**.**

Insert the 6C4-3 on the assembly 80625A36; it only goes on one way. The wing-lets are in a vertical position.

Canopy Cable Support
6C4-1

Canopy Cable Support Fairlead
6C4-3

Drill and rivet the cable supports to the topside of the canopy side frame.

Drill a ¼" hole in the Cable Support for the cable. Ref. Bottom right diagram on drawing 6-C-4. (Cable for the right side is on the front side of the handle)
Drill a 1/16" hole in the Fairlead, drill and rivet the Fairlead on the Support.

Cable Stop Adjuster with Sleeve
25-0700

1/16" cable with ends

Cable Housing

Drill ¼" hole in Front canopy tube for the cable housing to the right latch.

Screw the Adjuster to the Support.
Remove the nut on the adjuster, insert on the cable-housing, insert the plastic ring on the cable (if it does not fit, bore it out with a file or drill bit) tighten. Test by pulling on the cable housing – it should not come out!

Right side

Canopy Cable Support
6C4-1

Canopy Cable Support Fairlead
6C4-3

Cable Stop Adjuster with Sleeve
25-0700

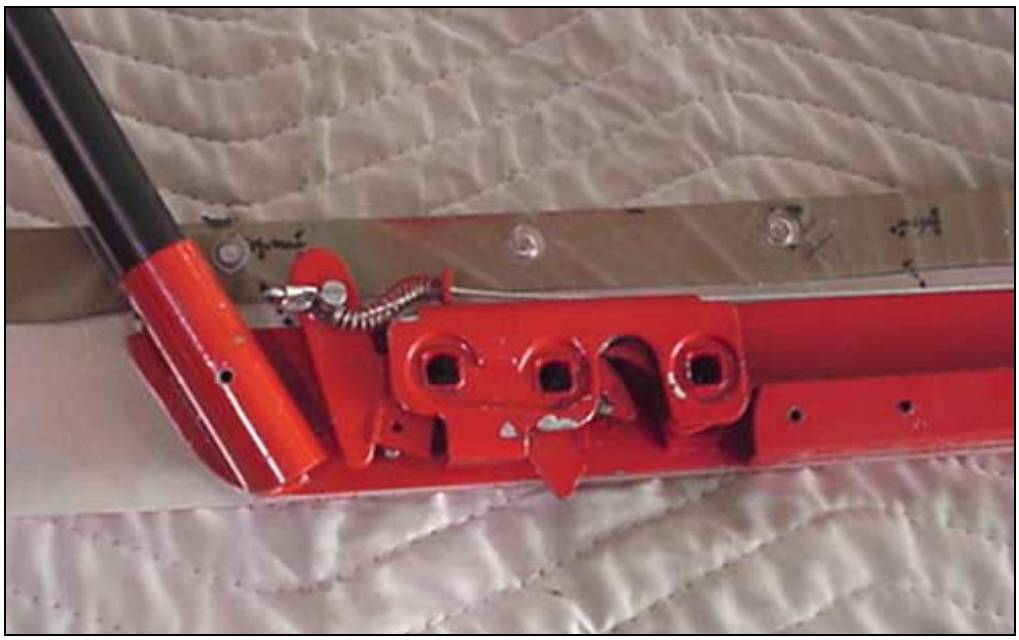
If necessary trim the canopy to avoid interference with the Cable Support.

Nico Press
S-11-002

Spring ¼" O/D
9657K42

(Update: the swivel shown in the photo is not used when the level extension is welded widthwise across the latch 6-C-3 (10/01) Drill a 1/16" and secure the Nico Press a the end of the cable.

Insert the Wire Swivel Stop from the O/B side through the ¼" hole at the top of the lever Extension welded on the latch.



Latch shown open
The spring is to pick up the slack in the cable.

COMMENT: sliding a screw underneath the level extension and push back can open the latch. Should the cable come loose the canopy can still be opened!

Hand held electric grinder
With cutting disk

1/16” abrasive cutting disk

For trimming the canopy bubble.

Uni-bit or step drill to open up the pilot holes in the bubble canopy.

US Industrial Tool
www.USTOOL.com
P/N TPA5611

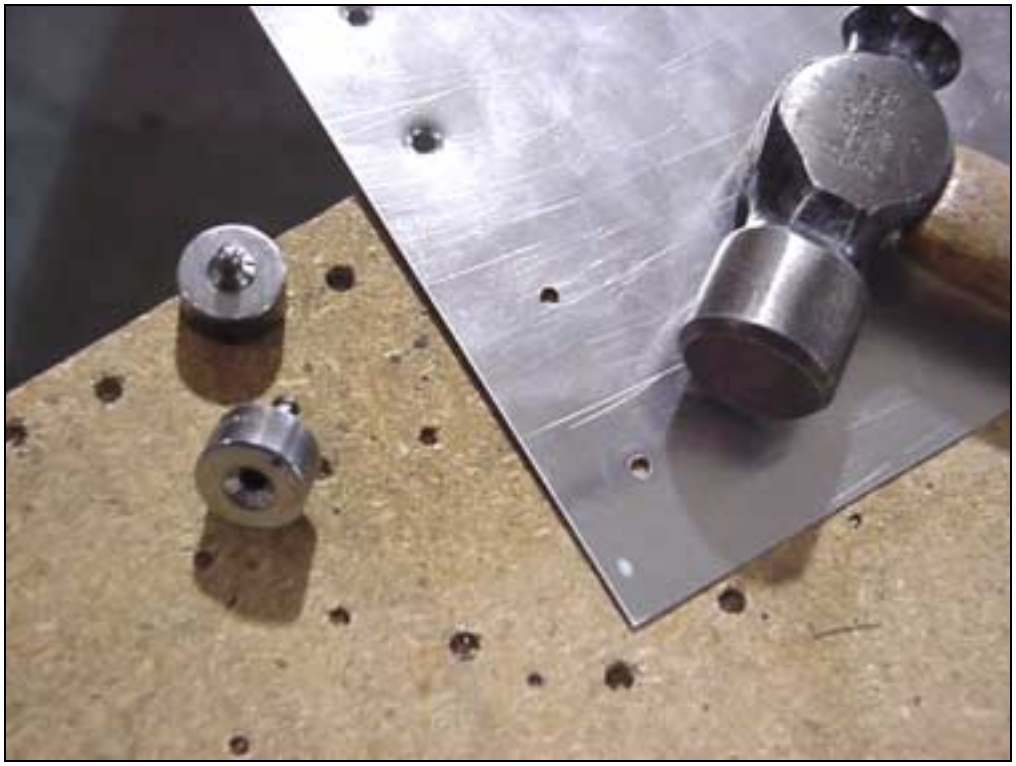
Drill some practice holes in a scrape piece of material to get the hand of drilling in Plexiglas!

Dimple and Die Set
100 degree screws

US Industrial Tool
www.USTOOL.com
TP5094

Or 5/32” 100 degree rivet

DIMPLING ACCESSORIES



Note: The hand squeezer is not required:
The male die can be positioned through a hole in the workbench, hammer down on the female die to dimple the aluminum sheet.

Dimple the Outside Flashing 6C3-3 and the Front Flashing 6C3-7 (the dimples replace the washers).

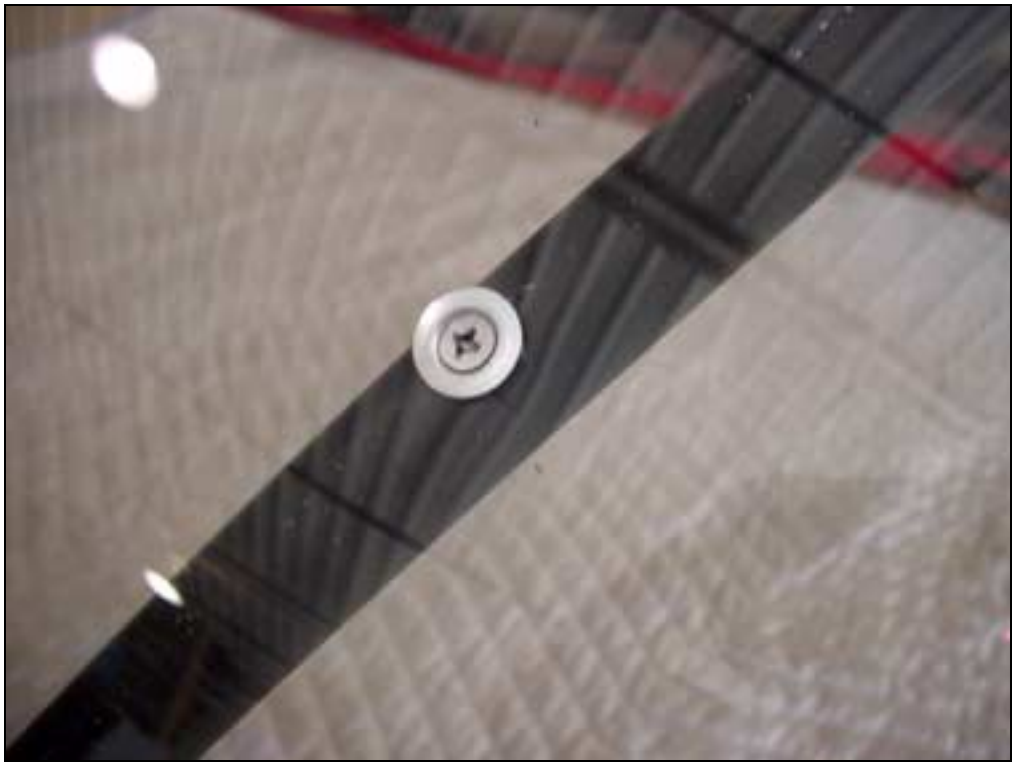
5/16” hole in bubble canopy.

Tap the holes in the bent tube frames 6C3-1 and 6C3-1 and along the Inside Angle 6C3-4 before the canopy is installed.

SHEET METAL SCREWS
BLUNT END
No. 6 X 5/8”
NAS548P8-10

COUNTERSUNK
WASHER
A3236-012-24A

The washers are used along the rear tube. The washer is not required if the flashing is dimpled.



SUGGESTION:
Apply some VALVE GRINDING COMPOUND (water mixed)
On the end of the Phillips screw driver, this will prevent stripping the screw

Do not over-tighten the screws!

Rubber Trim molding around front and rear edge.
TA-897

Glue:
Loctite STICK'N SEAL (Waterproof adhesive)
P/N 23782

Available from Wal-Mart

Trim the aft end of the outside flashing flush with the edge of the canopy.
The aft end of the Outside flashing 6C3-3 is held in place by the rubber trim

With the canopy closed, the rubber trim seals the gap between the edge of the canopy and the Fuselage.

GPS antenna mounted inside the canopy behind the EXPERIMENTAL sticker.

Rubber Trim TA-897 along the top edge of the Side Cover 6C3-6. Fits underneath the Forward Top Skin 6C1-4 at the front and underneath the Front Flashing 6C3-7 at the rear.

Some trimming maybe required on the bubble canopy if the bubble canopy fits tight on to the fuselage: no problem with a hand held grinder and a 1/16" abrasive cutting wheel…

CAUTION: Acrylic is more brittle when cold.