



AIRFRAME FORWARD SECTION

Igniter wire seal plates

-  Top plate These plates seal off the wires from two Daveyfire igniters.
-  Bottom plate

Two plates of 1/16" thick G10 fiberglass with 5/32" diameter holes at each end for 6-32 x 0.5" screws. Two slots 7/64" wide are cut into the bottom plate for igniter wire routing.

1.25" diameter holes for ejection charge holder to pass through the bulkhead.

5/16" x 2.0" U-bolt for recovery harness attachment.

Top View

Two 3/4" PVC end plugs screwed to bulkhead to serve as redundant ejection charge holders.

Left side

Top View

(1 of 2) 3/4" PVC end plugs for ejection charge holders.

Left side

Bottom View

Four altimeter bay vent holes 7/32" Ø spaced 90° apart 5.0" inches from bottom of body tube.

1 of 2 0.25" x 15.25" threaded rod

5/16" x 1.0" stainless steel U-bolt McMaster-Carr part number 8896T68

Main Chute Compartment

5/16" x 2.0" U-bolt stainless steel McMaster-Carr part number 8896T73

Camera lens port hole 1.0" from end of body tube.

Altimeter bay installed in airframe.

(1 of 4) threaded brass inserts for securing mid-section body tube to altimeter bay. McMaster-Carr part number: 900164007. Use six #6-32 x 0.500" button head screws.

Remove 1/4" nuts for access inside the altimeter bay.

Drill 3 holes 7/64" Ø at 120° spacing 2.0" below the top of the body tube. Use #4-40 nylon screws as shear pins.

Parachute compartment pressure vent hole 0.125" Ø 5.0" inches from top.

Body tubing 5.000" ID x 36.000" length. 0.075" wall thickness. G12 fiberglass.

36.000"

8.294"

14.000"

Altimeter bay removed from airframe.

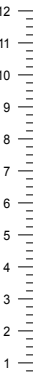
Altimeter and Camera Bay

Two sections of coupler tubing 0.75" long. One above and one below the bulkhead.

5/16" x 2.75" stainless steel threaded rod

0.196"

14.000"



Project: **Angelfire**

All dimensions are in inches

Print scale in Inches

Drawing: AIRFRAME FORWARD SECTION

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