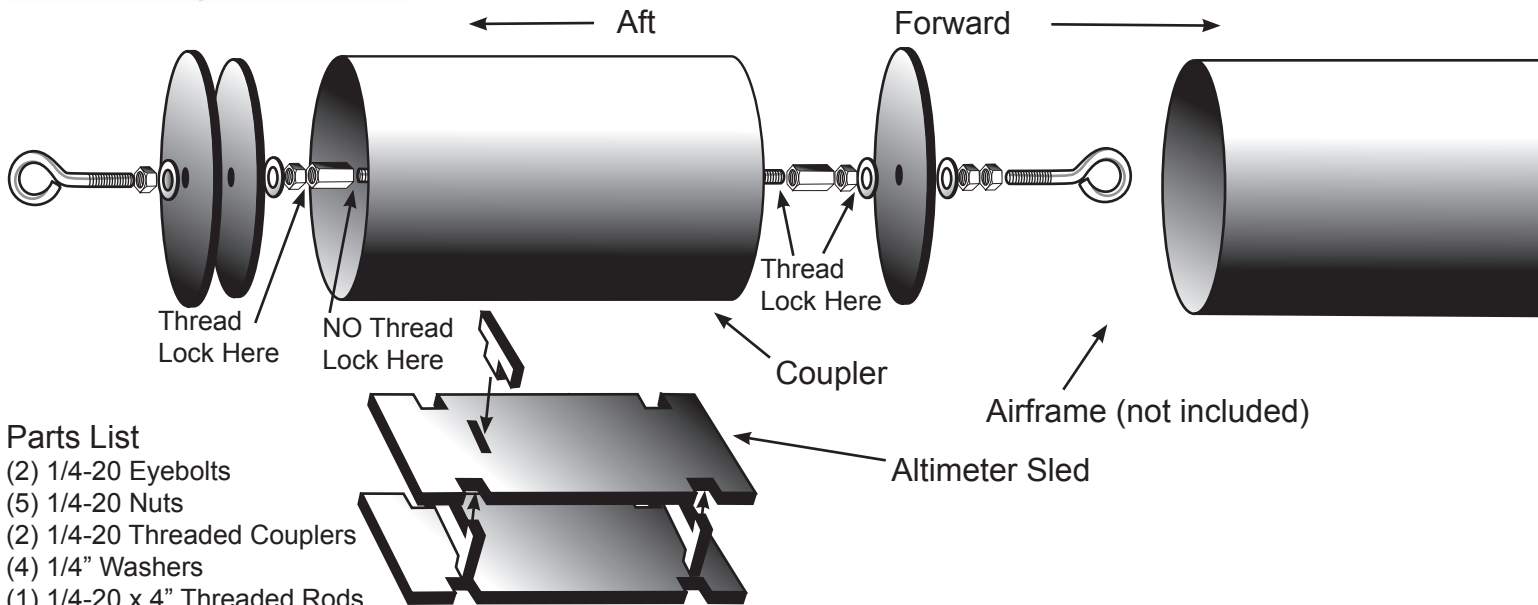


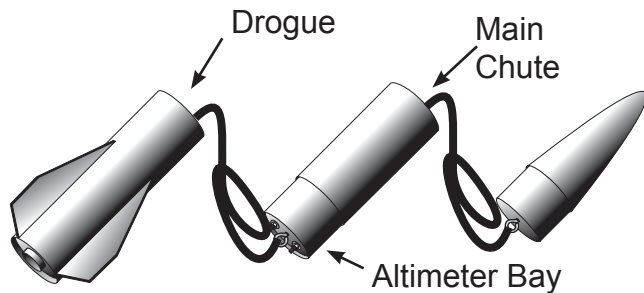
2.6" Altimeter Bay



Parts List

- (2) 1/4-20 Eyebolts
- (5) 1/4-20 Nuts
- (2) 1/4-20 Threaded Couplers
- (4) 1/4" Washers
- (1) 1/4-20 x 4" Threaded Rods
- (1) 5" Coupler
- (1) Altimeter Sled (5 parts)
- (2) Large Bulkheads (same OD as Coupler)
- (1) Smaller Bulkhead (fits inside Coupler)

These instructions will show how to assemble altimeter bay in a traditional configuration. The bay can be adapted to other configurations, but they are not covered here.



- Step 1 - Start with one of the larger bulkheads and attach the forward eyebolt to the threaded rod as shown in the diagram above. Use two washers, a threaded coupler and three nuts on the eyebolt to trap the plywood bulkhead. The threaded rod goes into the threaded coupler and should extend into the coupler. Use thread lock on all nuts and the threaded rod to make sure they doesn't come loose later.
- Step 2 - Tack the forward bulkhead you just worked on to one end of the coupler with epoxy or CA glue. Be very careful that the bulkhead is aligned and flush with the outside of the coupler so that it will slide into the airframe later. Also make sure there is no glue on the outside of the coupler or bulkhead that would interfere with inserting into the airframe.

- Step 3 - Carefully align the remaining 2 bulkheads and attach them together using the remaining eyebolt, two washers, two nuts and the threaded coupler. Use thread lock to make sure the eyebolt doesn't come loose later. The smaller bulkhead will go into the coupler first. **IMPORTANT:** do not glue the bulkheads into the coupler - they need to be removed to insert the altimeter sled. **ALSO** do not use thread lock on the threaded rod where it inserts into the threaded coupler as this is where the assembly comes apart.
- Step 4 - Drill a 1/8" hole in each bulkhead to allow the match wire to pass through later.
- Step 5 - Apply epoxy to the inside of the airframe and insert the coupler assembly until there is 3" exposed (2" will be inserted into the airframe). **IMPORTANT:** make sure you insert the right end. The removable bulkheads should be outside the airframe.
- Step 6 - Assemble the altimeter tray as shown in the diagram using epoxy. Drill mounting holes into the sled and attach your altimeter. Notes: The T shaped piece of plywood acts as a shelf for a 9V battery to rest against. You can tie wrap the battery to the sled by wrapping the tie wrap around the single plywood side. The shelf should go on the aft end of the battery to allow the battery to rest on the shelf during liftoff. The sled will slide over the threaded rod.
- Step 7 - Mount your altimeter switch if needed (not included) and drill any vent holes if required. Make sure your switch and vent holes are mounted on the airframe and not the coupler. Refer to your altimeter manual to determine what is required for proper operation.