**Full Scale Build Schedule**

Elon Rocket Team

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* Check parts list
* Cut Body Tubes to length
  + Upper tube- 42mm
  + Lower Tube- 98cm
* Cut coupler to length- 14cm
  + Forward coupler collar- 3cm
* Cut 75mm Motor Mount Tube to length- 62.5mm
* Check 3d printed 54mm centering ring fit
* Cut 54mm MMT to length- 63.5cm
* Assemble 54mm MMT with Bulkheads
  + Add Epoxy Clay Fillets
* Cut Connecting rods to length

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One person- Fill and sand body tube lines

Team-

* Check bulkhead fit on 75mm MMT
* Drill holes for 75mm MMT connecting rods in all three bulkheads using jig
* Drill 56mm (2.25in)+ hole in forward bulkhead
  + Drill Holes for U Bolt
* Glue rear bulkhead to bottom of MMT
* Glue Middle Bulkhead 18cm up from bottom bulkhead
* Glue Forward Bulkhead collar to MMT
* Glue upper bulkhead to MMT Collar
  + Add fillets
* Add connecting rods
  + Epoxy and clay front end bolts
  + Add bolts/washers at middle bulkhead
* Add U-bolt
  + Glue threads + epoxy clay end

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* Cut out fin shape
  + Sand fins to airfoil
* Glue fins in fin can
* Position Fin can for body tube slots
  + Mark body tube slots
* Cut body tube fins slots all the way through end (19cm up)
* Test fit MMT Assembly

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Keeley-Test/program altimeter

* Add Fillets to fin attachment points with epoxy clay
* E-Bay
  + Glue Coupler into forward body tube
  + Glue coupler collar into forward body tube
  + Drill holes for E-Bay connecting rods in two bulkheads using jig
  + Drill holes for wires
  + Drill holes for u-bolt
  + <https://www.youtube.com/watch?v=WYZ6jTp1qZY>

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* Install Altimeter onto e-bay sled
  + Drill holes in mounting points for altimeter
  + Screw altimeter down
  + Wire Switch and note position
  + Drill hole in body tube for switch access
  + Drill 4- (.25 inch) holes in body tube for altimeter sampling air
  + Install terminal blocks
  + Attach pvc caps to bulkhead faces for ejection charge wells
  + Install sled onto ebay connecting rods
  + Wire ejection charge leads to terminal blocks
  + Install ebay bulkheads
* Install 75mm MMT assembly into lower body tube
  + Drill small hole for forward bulkhead, inject epoxy onto ring
  + Add epoxy clay ring into top for forward bulkhead to smush
  + Add epoxy clay ring to bottom centering ring attachment point
  + Epoxy fin slots
  + Add fin fillets with epoxy clay
  + Add fillet to bottom of rear bulkhead

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* Nose Cone
  + Rough sand inside tip of nose cone
  + Flame treat inside tip
  + Install Nose mounting plug using epoxy/clay
  + Cut out nose bulkhead
  + Install recovery eye bolt
* Motor Mount
  + Check 54mm MMT fit with case
* Make 54mm MMT retainer
* Make Motor retainer

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* Cut shock cord to length
  + 7-10 feet front
  + 15-17 feet rear
* Make loops
* Attach shock cord to bulkheads
* Rig Parachutes
* Test fit chutes

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* Test Ejection Charges
* Reset everything

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* Paint?