

Parts List

1 x	Blue J Decal	1043-21
1 x	15" Plastic Parachute	91115
3 x	1/8" balsa fins	1043-31
1 x	BT60 White Tube 18"	24060
1 x	BT60 Nose Cone	28161
1 x	Glue Applicator	9233231636-4

Small Parts Bag

1 x	1/4" Rubber Shock Cord	45004-32
2 x	1/8" Launch Lugs	70111

BT60 – 18 Motor Mount Parts Bag (76018)

1 x	BT60 x 18mm Centering Ring with Notch	236021
1 x	BT60 x 18mm Centering Ring w/Small Notch	236022
1 x	18 mm Hook Locking Ring	29218
1 x	BT20 Thrust Ring Green	22201
1 x	A-D Clip (L)	70219
1 x	BT20 Motor Tube (L)	25208
1 x	BT20 Yellow Spacer	25209



Blue J Model Rocket Kit

Please read all instructions before assembling any parts of this rocket kit. For each step, dry-fit pieces before gluing them together, to fully understand the assembly process.

If any parts are damaged or missing, or you need help understanding the assembly process please email us at: support@rocketarium.com

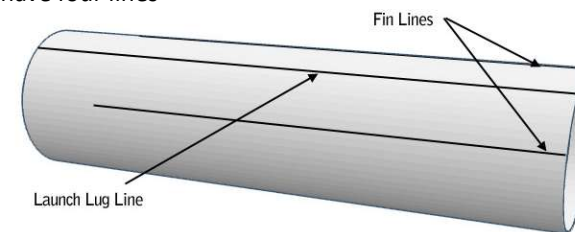
1. Motor Mount Assembly

Find the bag containing the Motor Mount Parts (76018) and follow instructions inside to assemble the motor mount.

2. Marking the Airframe

Cut out the fin marking guide located on page 3. Wrap the guide around any end of the white tube and place a mark at the arrow heads above and below the guide.

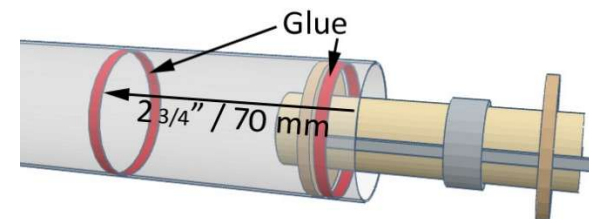
Use a straight edge (such as an aluminum angle or door frame) to draw lines along the length of the body tube on the marks for fin locations. Fin lines should run up 1/3 of the length of the tube. Lug line should run up 1/2 of the length of the tube. You should have four lines



3. Motor Mount Installation

Dry fit the motor assembly into any end of tube you have just marked (this becomes the aft end). If the motor assembly does not fit, sand the outside edges of the centering rings.

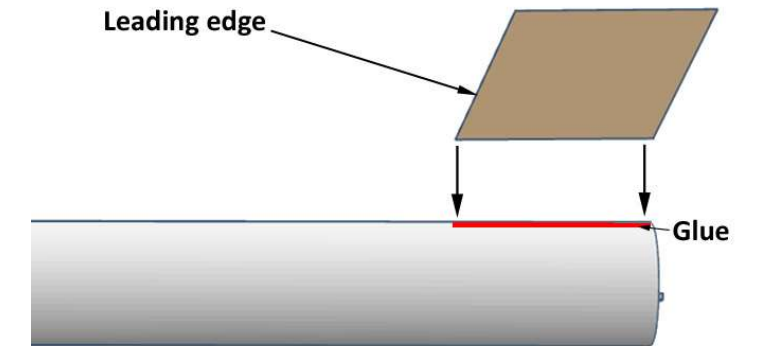
Remove the motor assembly. Using the enclosed glue applicator, place a line of glue 2 3/4" into the body tube. Insert the motor assembly partway into the aft end. Place another line of glue 1/4" into the aft of the body tube. Finish inserting the motor mount until the aft end of the motor tube is flush with the aft end of the body tube.



4. Fin Attachment

Stack fins together and sand edges lightly to remove any remaining imperfections. The leading edge of each fin should be rounded. Using sandpaper round the leading edge of each fin.

Place one fin on the fin line. Mark the position of the fin on the tube with the pencil. Repeat for the remaining fins. Lightly sand the surface under each fin to remove the glassine layer.

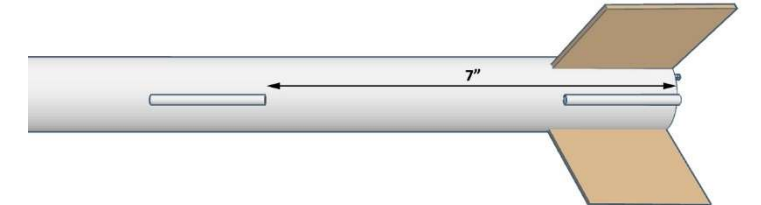


Glue each fin on the fin line flush with the aft end of the tube. Once a fin is attached, smooth out the glue with your finger and allow the glue to dry fully before attaching the next fin. Glue remaining fins in place.

Another bead of glue can be added to create larger glue fillets

5. Launch Lugs

Mark the launch lug line at 7" from the aft end of the body tube.



Position the launch lug at this mark. Using a pencil mark the position of the lug on the tube. Place another lug flush with the aft end of the tube and mark the position with the pencil. Remove the lugs and lightly sand the tube surface under both lugs to remove the glassine layer.

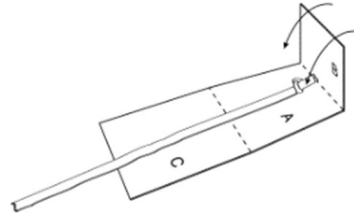
Glue the launch lugs in place. Make sure that they are aligned. Allow the glue to dry.

6. Shock Cord Attachment

Cut out the shock cord mount located on page 3 with a sharp hobby knife or a pair of scissors. Cut only on the solid black lines. Do not cut the dashed lines.

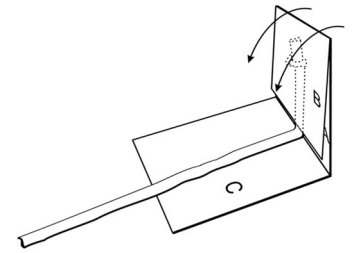
Tie a knot in the end of the shock cord.

Apply a generous amount of glue to panel A of the shock cord mount and lay the knot on top of it.



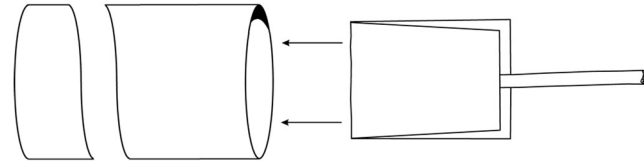
Fold panel B on the dashed line, onto the knot and the panel marked 'A'. Hold closed until the glue grabs.

Spread more glue to panel C. Fold panel B on the dashed line and down on the panel with the glue on it.



Hold this assembly between your fingers and gently apply pressure while the glue begins to set.

Apply glue to the outside of the shock cord assembly and glue it into the forward end of the rocket.



Glue it as far back into the body tube as possible, with the shock cord sticking out of the body tube.

If the shock cord assembly is not glued in far enough, the nose cone will no longer fit correctly.

Allow glue to dry.

7. Painting

If you do not wish to paint your rocket skip this step.

The following paint scheme is optional. You can use any paint/colors you see fit.

Wash the nose cone with warm water and soap. Do not let water inside the nose cone. Let dry.

Thoroughly sand the nose cone with 200 grit sandpaper. Do not sand the shoulder. Sanding will allow paint to adhere to the surface of the cone.

Ensure that the model is completely dry. Wipe off any dust. Follow the manufacturer's instructions for spray painting and always spray in a well-ventilated area. Insert the nose cone into the rocket.

Spray a uniform base coat of white primer. Let dry. If necessary, sand the fins using fine sandpaper and repeat the primer coat.

Apply a coat of gloss white to the entire rocket.



Once it has dried, mask off everything but the nose cone and the three fins. Paint these gloss blue. Leave the rocket to dry overnight.



8. Decal

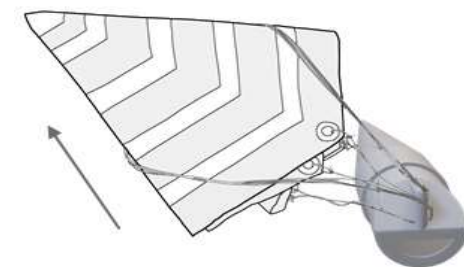
Use a sharp knife or scissors to cut out the "Blue J" decal as close as possible to the image.

Use sharp knife to separate the decal from the backing paper. Attach the decal approximately 9" from the bottom of the assembly, on any of the two sides without the launch lugs.



9. Parachute assembly

Feed the parachute shroud lines through the nose cone loop and then insert the parachute through the string loop, then pull the parachute to tie it to the nose cone.



Securely, tie the open end of the shock cord to the nose cone loop.

Recommended Motors & Launch Preparation

This rocket must be launched from the standard 1/8" launch rod.

The following motors are recommended for this rocket:

Estes® B6-4, C6-3

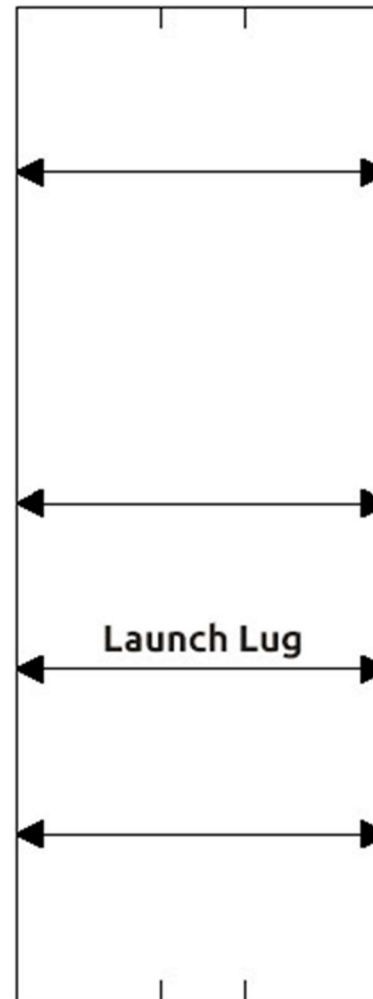
Insert the recovery wadding in the body tube first. Make sure it covers the tube's entire area/diameter and placed below the shock cord assembly.

Pack the parachute and feed the shock cord into the airframe. Insert the folded parachute. Parachute should not be packed too tightly, or it may not eject.

Insert the nose cone into the airframe.

Insert rocket motor into the motor mount, making sure it is locked securely in place. Your rocket is now ready for launch.

The smallest motor (B6-4) is recommended to verify correct operation of the rocket.



Model Rocket Safety

Model rocketry is a hobby that is not without risk.

By using this rocketry product, you agree not to hold Rocketarium.com and/or Denau Hobby Supplies and its employees or affiliates liable for any damages, or injuries, caused by (directly or indirectly) use of this product.

Always follow the National Rocketry Association (NAR, www.nar.org) or Tripoli Rocketry Association (TRA, www.tripoli.org) safety rules.

Shock Cord Mount

