

BEFORE FLIGHT

PREP YOUR ROCKET

- Load engines
- Add wadding, and tuck in chute protector
- Pack the parachute
- Read the Model Rocket Safety Code
- Name your Rocket
- Fill out flight card



MODEL ROCKET SAFETY CODE

[HTTPS://WWW.NAR.ORG/SAFETY-INFORMATION/MODEL-ROCKET-SAFETY-CODE/](https://www.nar.org/safety-information/model-rocket-safety-code/)

**PLEASE TAKE A MOMENT TO READ THE NAR
SAFETY CODE BEFORE ANY FLIGHTS**



YOUR ROCKET IS READY TO FLY

www.lunar.org

Dave Smith-Uchida - SG Lunar Rocket Kit Designer
putaroinc@gmail.com

Paul Pittenger - Lunar Donations & Outreach
ppittenger@gmail.com

Fred Radford - Lunar President
president@lunar.org | motors@rocket.supplies



ROCKET KIT

SG LUNAR

www.lunar.org

**3D PRINTED ROCKET KIT, READY TO
FLY IN UNDER 20 MINUTES.**



PARTS INCLUDED

- Fin can
- Fin set
- Body tube
- Launch lug
- Engine retainer
- Shock cord
- Chute Protector
- Parachute
- Nosecone

TOOLS NEEDED

- Pencil
- Tube Marker
- Super glue
- Sandpaper
- Ruler
- Markers

Recommended Engines
Estes B6-4 | Estes C6-5

ATTACH THE FINS

- Test fit the fins into the slots
- Sand the fin tabs if needed to get them to fit
- Apply super glue into a slot Insert a fin into the slot be sure to seat it fully
- Do this with the other fins
- Set the fin can aside while the super glue is drying



ATTACH BODY TUBE TO FIN CAN

- After the superglue attaching the launch lug has dried
- Find the alignment mark on the fin can
- Thread the shock cord into the body tube, the end of the body tube with the launch lug should be towards the fin can
- Apply superglue around the top outside of the fin can
- Line up the line on the tube with the alignment mark on the fin can
- Push the body tube onto the fin can
- Twist slightly left and right to spread the glue
- Match the line on the tube with the alignment mark on the fin can
- Wipe off any excess glue
- Set the body tube and fin can aside to dry

ATTACH LAUNCH LUG TO BODY TUBE

- Using the tube marker, draw a line on the body tube with the pencil lengthwise
- Make a mark 5 cm/2 inches from the end of the tube across the line
- Spread a small amount of super glue on the back of the launch lug
- Attach the launch lug onto the body tube. Put the bottom end against the mark made, line up the alignment mark with the line
- Set the body tube aside and give it time to dry



RIG THE ROCKET

- When the glue holding the fin can and body tube together has dried
- Put the end of the shock cord through the slit in the corner of the chute protector
- Pull the shockcord through until the chute protector is 10 cm/4 inches away from the body tube
- Tie a loop in the shock cord about 20 cm/8 inches away from the end away from the rocket
- Pass the parachute shroud lines through the loop and then pass the parachute through the ends of the shroud lines to fasten it to the shock cord
- Tie the end of the shock cord to the nose cone



ATTACH SHOCK CORD TO THE FIN CAN

- After the superglue attaching the fins has dried
- Tie a slip knot at the end of the shock cord
- Attach the shock cord to the fin can in the cord attachment
- Tighten the shock cord by pulling it tight
- Apply a small amount of superglue into the groove, on top of the shock cord. Try not to get glue onto the outside of the fin can