PREPARE FINS

1. Sand both sides.

2. Use hobby knife to gently remove fins.

3. Round edges.

MARK BODY TUBE

1. Make a mark in the middle of any two fin slots.

2. Use a door frame to extend mark into line.

ASSEMBLE ENGINE MOUNT

1. Use hobby knife to remove centering rings.

2. Apply glue around A and slide D to 1" (25 mm) mark.

3. Insert B.


5. Align E notch with B.

6. Apply glue to the inside of A and insert C.
1. Apply glue inside F. Insert the engine mount.

2. ENDS EVEN

3. G

4. G

5. Check alignment using alignment guide below.

ATTACH LAUNCH LUG
1. Apply glue to F. Attach K as shown.

2. Apply glue fillets to both sides of all joints.


INSTALL SHOCK CORD
1. Cut from page 1.

2. Glue shock cord mount to the inside of E.

3. Hold until set.

4. Apply glue to shock cord mount.

5. Use finger to hold until glue sets.

ROCKET FINISHING
1. Spray rocket with white primer, let dry, and sand. Repeat until rocket is smooth, then paint.

2. Apply self-stick decal.

ASSEMBLE PAYLOAD SECTION
1. Use hobby knife to cut nose cone into 2 sections.

2. Use hobby knife to remove excess plastic from eyelet piece.

3. Do not cut off eyelet.

ATTACH PARACHUTE
1. Use tape to secure parachute to rocket.

2. Double knot parachute to rocket.

3. Ensure parachute is secure.

4. Test parachute deployment.

5. Adjust as necessary.
PREPARE RECOVERY SYSTEM

1. Push recovery wadding down towards end of body tube.

NOTE:
Recovery wadding and parachute must slide easily into body tube. If too tight, redo.

2. M

3. F

4. J

Wrap lines loosely.

PREPARE PAYLOAD SECTION FOR LAUNCH

1. Remove nose cone from payload section.

2. Use cushioning to pad egg on both ends.

3. Insert cushioning and egg into payload section.

4. Reattach nose cone to payload section.

CUSHIONING
EGG

SUGGESTIONS FOR CUSHIONING
- Paper
- Paper towels
- Tissue
- Tissue paper
- Sponge
- Foam

PREPARE ENGINE

1. STARTER

2. PLUG

Use 1 each.

3. TIP MUST TOUCH PROPELLANT!

4. 5. 6. 7.

WARNING: FLAMMABLE
To avoid serious injury, read instructions & NAR Safety Code included with engine. PREPARE YOUR ENGINE ONLY WHEN YOU ARE OUTSIDE AT THE LAUNCH SITE PREPARING TO LAUNCH. If you do not see your prepared engine, remove the starter before storing your engine.
LAUNCH PROCEDURE

1. Masking tape

2. Hold the rocket within reach of your launch controller wire.

3. Slowly push down the button on the launch controller. A red bulb will light.

4. Hold the button down FIRMLY until lift-off.

5. Fully extend your launch controller wire before launching.

6. Insert key, push down hard. Bulb will light.

7. While holding key down FIRMLY, press launch button until LIFTOFF!

8. NOTE: Estimated weight: 3.5 oz. (99.2 g)

9. May also be launched from the 2215 Estes Porta-Pad II Launch Pad.

PRECAUTIONS

PRE-LAUNCH CHECK For safety, never launch a damaged rocket. Check the rocket's body, nose cone and fins. Also, check the engine mount, recovery system and launch lug(s). Repair any damage before launching the rocket.

FLYING YOUR ROCKET Choose a large field (500 ft. [152 m] square) free of dry weeds and brown grass. The larger the launch area, the better your chance of recovering your rocket. Football fields and playgrounds are great. Launch only with little or no wind and good visibility. Always follow the National Association of Rocketry (NAR) SAFETY CODE (enclosed). MISFIRES TAKE THE KEY OUT OF THE CONTROLLER. WAIT ONE MINUTE BEFORE GOING NEAR THE ROCKET! Disconnect the micro clips and remove the engine. Take the plug and starter out of the engine. If the starter has burned, it worked but did not ignite the engine because it was not touching the propellant inside the engine. Put a new starter all the way inside the engine without bending it. Push the plug in place. Repeat the steps under Countdown and Launch.